

REPUBLIC OF CAMEROON

Peace – Work – Fatherland

MINISTRY OF AGRICULTURE AND RURAL
DEVELOPMENT

DEPARTMENT OF AGRICULTURAL
SURVEYS AND STATISTICS

SUB-DEPARTMENT OF SURVEYS
AND STATISTICS STUDIES



RÉPUBLIQUE DU CAMEROUN

Paix – Travail – Patrie

MINISTÈRE DE L'AGRICULTURE ET DU
DEVELOPPEMENT RURAL

DIRECTION DES ENQUÊTES ET
DES STATISTIQUES AGRICOLES

SOUS-DIRECTION DES ENQUÊTES
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STATISTICAL YEARBOOK OF THE MINISTRY OF AGRICULTURE AND RURAL DEVELOPMENT

AGRISTAT No. 18

2022 edition

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Statistical Yearbook of the Ministry of Agriculture and Rural Development

AGRISTAT No. 18

2022 edition



His Excellency Paul BIYA
President of the Republic of Cameroon



Chief, Dr. Joseph DION NGUTE
Prime Minister, Head of Government



Gabriel MBAIROBE
Minister of Agriculture and Rural Development

FOREWORD

The Ministry of Agriculture and Rural Development is pleased to present the eighteenth edition of the Statistical Yearbook of Agriculture, for the year 2022 (AGRISTAT No. 18).

This new edition, the 18th of its kind, comes in a context marked, on the one hand, by the recent adoption of the National Development Strategy 2020-2030 (NDS30), which is Cameroon's new reference framework for its development action during the current 2020-2030 decade, and specifically at the sectoral level through the implementation of the Rural Sector Development Strategy and, on the other hand, by the application of Law No. 2020/010 of 20 July 2020 to regulate statistical activity in Cameroon.

AGRISTAT is a collection of information produced by the Ministry of Agriculture and Rural Development (MINADER), the institution in charge of developing, implementing and evaluating government policy in the areas of agriculture and rural development. This tool provides information on trends in agricultural production, trends in cultivated surface areas, price fluctuations, use of inputs, and the volume of imports and exports of agricultural products.

This edition of the statistical yearbook of agriculture results from cooperation between the Ministry of Agriculture and Rural Development (MINADER) and the National Institute of Statistics (NIS), under the Global Plan for Public Finance Management Reform 2019-2021, led by the Budget Reform Division of the Ministry of Finance. The National Statistical System through the NIS was allocated a budget for the year 2021 to support certain ministries, including the Ministry of Agriculture and Rural Development, in the design of their statistical yearbooks.

This publication is the result of a consultative process, involving both the central and devolved bodies of the Ministry of Agriculture and Rural Development, and external opinions from users and producers of statistical data with new relevant needs. The themes addressed have been updated to take into account the needs of the various users and producers of data from the agriculture and rural development sub-sector, both at national and international level.

AGRISTAT is produced on an annual or multi-annual basis, depending on the size of the series discussed and availability of resources, for planning and monitoring the development of the agricultural sector. It is therefore a critical decision-making tool for interventions aimed at promoting the development of agriculture and the rural sector in Cameroon.

This statistical yearbook comes almost ten years after the latest publication. The break in its production was due to preparation, by stakeholders in the rural sector statistical production, of the General Census of Agriculture and Livestock in order to have a sampling frame making it possible to conduct statistical surveys on the one hand, and to have quality statistical data, on the other hand. This yearbook, which arises as an information tool on trends in the agricultural sub-sector over the period 2016-2020, is also an instrument for analysing trends in the performance of agriculture over this period, as well as a referential base for the identification of future actions aimed at the development of agriculture and the rural sector in general.

I would be remiss to end this foreword without extending my appreciation to all those who were, directly or indirectly, involved in the preparation of this precious document.

I wish every reader of AGRISTAT No. 18 a fruitful reading for the achievement of the objectives assigned to the agriculture and rural development sub-sector in the NDS30, as desired by the **Head of State, His Excellency Paul BIYA**.

The Minister of Agriculture and Rural Development



MBAIROBE Gabriel

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ACRONYMS AND ABBREVIATIONS

%	Percentage
°C	Degree Celsius
AAT	Assistant Agricultural Technician
AGRISTAT	Statistical Yearbook of Agriculture ((Agricultural Statistics)
APR	April
APR	Annual Performance Report
ARO	Assistant Research Officer
AT	Agricultural Technician
Avg.	Average
BMI	Body Mass Index
CAPPA	Prospective Analyses and Agricultural Policy Unit
CDC	Cameroon Development Corporation
CEAC	Centre for Education and Community Action
CFA franc	African Financial Community Franc
CFSAM	Crop and Food Supply Assessment Mission
CFSVA	Comprehensive Food Security and vulnerability
CHOCOCAM	Chocolaterie, Confiserie du Cameroun
CIAR	Information and Early Warning Unit
CIG	Common Initiative Group
COOPCA	Cooperative with Board of Directors
CRA	Regional College of Agriculture
CSDESA	Head of Divisional Section of Agriculture Surveys and Statistics
CSP	Strategic Programme Performance Framework
CSRESA	Head of the Regional Service of Agriculture Surveys and Statistics
CSSRA	Statistical Syntheses and Farms Income Unit
DAJ	Division of Legal Affairs
DDA	Department of Agriculture Development
DDADER	Divisional Delegation of Agriculture and Rural Development
DDLDC	Department of Local and Community Development
DEC	December
DEFACC	Division of Agriculture, Cooperative and Community Teaching and Training
DEPC	Department of Studies, Programmes and Cooperation
DESA	Department of Agriculture Surveys and Statistics
DGD	Directorate General of Customs
DGRCV	Department of Rural Engineering and Enhancement of Living Environment in Rural Zone
DOPA	Department of Vocational Agricultural Organisations and Support to Agriculture Holdings
DP	Division of Forecast
DPME	Livelihood Protection Deficit
DRADER	Regional Delegation of Agriculture and Rural Development
DRCQ	Department of Regulation, Control of Quality of Agricultural Inputs and Products
DRH	Department of Human Resources
DS	Survival Deficit
EFSC	Cooperation Specialist Training College
EFSDC	Community Development Specialist Training College
EME	Trends in Livelihoods
ETA	Technical College of Agriculture
FCS	Food Consumption Score
FDIs	Foreign Direct Investments
FEB	February
GDP	Gross Domestic Product
Ha	Hectare
HDDS	Household Dietary Diversity Score

HEA	Household Economy Analysis
HHS	Household Hunger Scale
Hist. Avg.	Historical Average
Hst. Val.	Historical Value
IPF	Portfolio Investment and Final Derived Product
IRAD	Institute of Agricultural Research for Development
JAN	January
JUL	July
Kg	Kilogramme
LPDS	Les Plantations Du Sud
m ²	Square metre
MIDENO	North-West Development Authority
MINADER	Ministry of Agriculture and Rural Development
MINEPIA	Ministry of Livestock, Fisheries and Animal Industries
MINFI	Ministry of Finance
n.a.	Not applicable
NBR	Number
Nbr Days	Number of Days
NDS30	National Development Strategy of Cameroon 2020-2030
NIS	National Institute of Statistics
NOVAPALM	Nouvelle Valorisation du Palmier à huile
NPK	Nitrogen, Phosphorus, Potassium
NR	Nothing to report
OCT	October
ONACC	National Observatory on Climate Change
PHP	Plantations du Haut Pendja
PNVRS	National Food Security Monitoring and Strengthening Project
PO	Producer Organisation
PROLEG SA	Société Anonyme de Production des Légumes
RASIPEFIN	Report on the Nation's Economic, Social and Financial Situation and Outlook
RGAE	General Census of Agriculture and Livestock
RSDS	Rural Sector Development Strategy
SAFACAM	Société Africaine Forestière et Agricole du Cameroun
SAT	Senior Agricultural Technician
SCOOPS	Simplified Cooperative Corporations
SDEES	Sub-Department of Statistical Surveys and Studies
SDG	Sustainable Development Goals
SEMRY	Société d'Expansion et de Modernisation de la Riziculture
SEPT	September
SERA	Service of Agricultural Surveys and Censuses
SG	Secretary General
SOCAPALM	Cameroon Palm Grove Company
SODECAO	Cocoa Development Company
SODECOTON	Cameroon Cotton Development Company
SOSUCAM	Cameroon Sugar Company
SOWEDA	South-West Development Authority
SRT	Senior Rural Technician
STD	Data Processing Service
T°	Temperature
UCIGs	Union of Common Initiative Groups
UCOs	Union of Cooperatives
UNVDA	Upper Nun Valley Development Authority
WFP	World Food Programme

CONVENTIONAL SIGNS

Conventional signs are signs adopted by mutual agreement to illustrate certain facts. According to the LAROUSSE dictionary, these signs are a “rule of conduct adopted within a group” and are “in principle compulsory for those who adhere to it”. With regard to this statistical yearbook, the following signs will be used:

- Strictly zero result (This sign is used when a value has been rounded to zero);

- ... *Result not available;*

- /// *Sum not justified*

- e *Estimate and evaluation;*

- p *Provisional (This sign is used to indicate that a datum is provisional. Provisional data are subject to revision);*

- r *Data corrected with respect to the previous edition (This sign is used when a datum is revised).*

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CHAPTER 1: REMINDER OF THE MISSIONS OF THE MINISTRY OF AGRICULTURE AND RURAL DEVELOPMENT, PRESENTATION OF THE YEARBOOK AND METHODOLOGY

1. REMINDER OF THE MISSIONS OF THE MINISTRY OF AGRICULTURE AND RURAL DEVELOPMENT

The Ministry of Agriculture and Rural Development is responsible for the development, implementation and evaluation of government policy in the areas of agriculture and rural development.

In this capacity, the Ministry is responsible for:

a) in the area of agriculture:

- the development, planning and implementation of government programmes relating to agriculture and rural development;
- the development of regulations and standards, as well as the control of their application;
- the monitoring and protection of the various agricultural sectors;
- the phytosanitary protection of plants;
- the design of strategies and terms and conditions for the guarantee of food security and self-sufficiency as well as the monitoring of their implementation;
- the identification and promotion of new agricultural productions for export;
- the collection, production and analysis of agricultural statistics;
- the dissemination of agricultural information and advice to producers;
- the coordination of the management of crisis situations in the area of agriculture;
- the monitoring of vocational agricultural organisations;
- the promotion of investments, medium and large holdings in the agricultural sector;
- agricultural and cooperative teaching and control of agricultural and cooperative teaching, as well as of private agricultural education, in conjunction with the Ministry responsible for vocational training.

b) in the area of rural development:

- the supervision of farmers and agricultural extension;
- participation in the planning of programmes to enhance the living environment in rural areas, in conjunction with the competent Ministries;
- the monitoring of the implementation of programmes to enhance the living environment in rural areas;
- the promotion of community development;
- rural engineering.

2. PRESENTATION OF THE YEARBOOK AND METHODOLOGY

2.1. PRESENTATION OF THE YEARBOOK

The statistical yearbook of agriculture (AGRISTAT) is a publication which reports on the most important retrospective statistical series for all agricultural activities and those of the rural world.

It makes up the statistical memories of the Ministry of Agriculture and Rural Development, gives a picture of a situation and provides information on trends in agricultural production and its environment over several years. It is used to compare and analyse situations and is a critical tool for fact-based decision-making.

In its agricultural statistics production activities in Cameroon, the Ministry of Agriculture and Rural Development (MINADER), through the Department of Agriculture Surveys and Statistics (DESA), has just published this new collection of agricultural statistical data.

It is divided into five (05) chapters which respectively provide information on:

- the reminder of the missions of the Ministry of Agriculture and Rural Development, presentation of the yearbook and its methodology;
- the production and productivity of the agricultural sectors;
- the infrastructural environment, and access to production factors and markets;
- the resilience of agricultural production systems and the food and nutritional security of rural populations in the face of climate change;
- the contribution of agriculture to the national economy.

2.2. SUMMARY OF METHODOLOGY

Production of this statistical yearbook included the following five (05) stages, namely: (i) development of the model and data collection tools; (ii) data collection; (iii) operation and processing of the data collected; (iv) drafting; (v) editing and dissemination.

2.2.1. Some concepts and definitions

Agriculture: economic activity aimed at transforming and enhancing the natural environment, in order to obtain plant (and animal, in the broad sense) products useful to humans, in particular those intended for human consumption.

Agricultural campaign: period corresponding to the succession of work required for plant or animal production. Activities carried out by the household correspond to twelve (12) months.

Agro-industry: industrial enterprise with an agro-pastoral vocation.

Atomiser: low-capacity bottle or professional device which allows for the projection of fine droplets of water, for example mixed.

Chemical fertiliser: fertiliser made from inorganic materials by means of an industrial process. Manufacturing involves mechanical enrichment, simple crushing, or more elaborate chemical transformation of one or more raw materials.

Cultivated surface area: physical surface area occupied by crops during an agricultural campaign.

Data processing: operation which consists in clearing data from both statistical and non-statistical sources in order to organise them in such a way as to have a clean file.

Fertiliser: any substance or material containing one or more recognised plant nutrients and used as such for the purpose of promoting the knowledge and production of plants. (See Law No. 2003/007 of 10 July 2003 to regulate the activities of the fertiliser sub-sector in Cameroon).

Food crops: crops grown generally for household consumption. Grown on a large scale, they also serve as raw material for industries.

Food security: situation in which all individuals have physical and economic access to sufficient, safe and nutritious food to meet their energy needs.

Fungicides: substances that destroy fungi or inhibit their growth.

Garden crops : crops grown in the off-season or throughout the year with inputs of water and manures that must be checked daily by humans, regardless of the place of cultivation.

Harvested surface area: area from which a crop is harvested.

Herbicides: products used to destroy plants, or to inhibit their growth.

Huller: machinery used to separate shells/pulps from seeds.

Industrial crops: crops grown on a large scale, generally intended for agro-industry or for export.

Insecticides: substances used to kill or repel insects.

Irrigation: deliberate addition of water to the land to improve crop production. Irrigation involves the presence of infrastructure and machinery, such as irrigation canals or ditches, pumps, or localised irrigation systems to bring water to crops. Manual watering of plants with buckets, watering cans or other devices is part of irrigation systems. In contrast, the accidental flooding of land by the rising of rivers is not considered as irrigation.

Learner: person who follows any teaching.

Local Measurement Unit (LMU): instrument for measuring agricultural products used in a locality.

Motor pump: a device designed to move a liquid and driven by a motor. This machine can be equipped with a simple carrying handle and small wheels for the lighter ones or possibly hitched and towed by a motor vehicle for heavier and bulkier models. It is therefore a particular model of motor pump unit.

Official statistics: statistical data produced by services under the National Statistical Information System.

Organic fertiliser: fertiliser from processed plant or animal materials or unprocessed mineral materials (lime, rock or phosphate, for example) containing at least 5% combined nutrients. Organic fertilisers include organic materials of animal origin, such as guano, bone meal, fish meal, leather meal and blood. Other organic materials such as manure, slurry, compost or sewage sludge are also organic fertilisers.

Pesticides: (sometimes referred to as "agricultural chemicals") are substances intended to repel, destroy or control pests and undesirable species of plants or animals or to control the behaviour or physiology of pests or crops during production or storage. (See World Agricultural Census Programme 2020 Volume 1 Food and Agriculture Organization of the United Nations Rome, 2016).

Phytosanitary products: products used in agriculture to protect crops from pests, insects, fungi and weeds. Phytosanitary products include pesticides, insecticides, nematicides, herbicides, fungicides and rodenticides.

Rodenticides: substances that kill, repel or control rodents.

Roots and tubers: foods that grow underground and are high in carbohydrates. These are staple foods and an critical source of calories for more than 700 million poor people living in Africa, Asia and America (cassava, potato, yam, cocoyam, taro, etc.).

Rural development: all the processes and actions that contribute to improving the conditions and quality of life of communities in rural areas.

Seed: organ or part of an organ (plant) which, after being planted, can give rise to a complete plant.

Statistical data or statistics: quantified information relating to all areas of the life of the Nation and obtained by appropriate processing, using statistical methods.

Statistical information: any organised quantitative and/or qualitative information obtained from statistical data.

Statistical production: process of obtaining statistical information through the determination of needs, development of collection methodology, data collection, data entry, data processing, production of results, dissemination as well as archiving.

Threshers: agricultural machine used to thresh cereals to separate the grain from the straw and chaff (set of cereal seed envelopes).

Vegetable: cultivated plant of which, depending on the species, the leaves, roots, tubers, fruits or seeds are consumed; the consumed part of this plant.

Vegetable crops: crops grown during normal rainy seasons without irrigation or watering as in market gardening. They are sometimes associated with food crops. They are sometimes associated with food crops.

2.2.2. Development of the model of the yearbook

2.2.2.1. Development of the model of the yearbook

The structure of the model of the yearbook stems from the organic framework of the ministry, its programmes and most importantly from the analysis of its needs in terms of statistical information. As a result, the indicators identified are grouped by theme.

The model of the yearbook is presented as the final document and is subsequently completed by the data. In addition to the parts and sub-parts that have been predefined, it mainly contains tables of indicators, disaggregated as necessary and made up, as far as possible, of data series (last five years, 2016 to 2020).

2.2.2.2. Development of collection tools

By virtue of its nature as an administrative collection, this phase consisted in the preparation of the collection tools, particularly, the complete list of the administrations and institutions concerned, interview guides by type of structure, sheets and the methodology for compiling the data in order to facilitate processing. Once these collection tools had been validated, letters were sent to officials in the various administrations and institutions identified, to prepare the collection missions.

2.2.3. Data collection

Collection was carried out through the completion of a self-administered questionnaire (collection sheets), based on the use of register data, on the one hand, and a completion based on the knowledge about the environment by certain resource persons, on the other hand. It was conducted throughout the national territory, in the ten (10)

regions. In addition, focal points from the sectoral departments of the Ministry of Agriculture and Rural Development were appointed. This made it possible for the AGRISTAT design team to have all the data available at their level.

Targets were the administrations and institutions producing statistics on agricultural products and inputs, more specifically:

- administrations (the National Institute of Statistics, Ministry of Trade, General Directorate of Customs, General Directorate of the Port Authority of Douala, devolved services of the Ministry of Agriculture and Rural Development, National Observatory on Climate Change, National Office of Cocoa and Coffee, etc.);
- producer support companies (SODECOTON, SEMRY, SODECAO, MIDENO, SOWEDA, etc.);
- agricultural projects and programmes;
- large agricultural companies (HEVECAM, CDC, SOCAPALM, STE, PROLEG, MAÏSCAM, SOSUCAM, etc.), and
- agro-industries (BREWERIES, CAMLAIT, PANZANI, GUINNESS CAMEROUN SA, NESTLE CAMEROUN SA, etc.).

The data used to compile AGRISTAT come from several sources, namely:

- collection of data from administrative sources, conducted in 2020 throughout the national territory, in the central and devolved services of the Department of Agriculture Surveys and Statistics and agricultural enterprises. The data were collected by the staff of the Department of Agriculture Surveys and Statistics, on the one hand, and a good number of staff of the devolved services (Heads of Regional Services of Agriculture Surveys and Statistics) of the Ministry of Agriculture and Rural Development, on the other hand;
- reports and databases of surveys conducted by the Ministry of Agriculture and Rural Development and all the administrations mentioned above. These include, among others, CSFVA surveys, Harmonised Framework, National Accounts, RASPEFIN, etc.

2.2.4. Organisation of collection

Mission teams were set up and went down to the different regions with a view to collecting or, where appropriate, submitting interview guides and sheets so that they can be filled in and then returned to the Department of Agriculture Surveys and Statistics.

These field visits were conducted under the supervision of the Heads of Regional Services of Agriculture Surveys and Statistics of each region, after a work session to harmonise the understanding of the concepts and definitions used in the interview guides. The Heads of Regional Services of Agriculture Surveys and Statistics also provided certain information available at their level.

In the central services of the Ministry of Agriculture and Rural Development, focal points were appointed for all of technical departments of the ministry, to centralise and make available data from their departments to the teams in charge of compiling AGRISTAT data.

In addition, a general supervision team for the operation were set up at the central level at the Department of Agriculture Surveys and Statistics, to guarantee the production of results within the required time frames. This team was responsible for following up with the relevant administrations and institutions, whose information was slow to reach the teams in charge of compiling the data at the central level.

2.2.5. Data operation and processing

At the end of collection, all the information collected was analysed, entered, codified and cleared by a multidisciplinary team set up at the Department of Agriculture Surveys and Statistics for the production of AGRISTAT.

Operation of the available data consisted in calculating the requested indicators and producing the tables contained in the yearbook model. For most of the tables, the indicators were disaggregated by region and by sector of activity. Some tables were transformed into figures to make them easier to read, especially when the information was only available at the national level.

2.2.6. Drafting of the statistical yearbook

At the end of clearance, all the field information from both sources was processed and compiled by the multidisciplinary team set up at the Department of Agriculture Surveys and Statistics. Their synthesis and analysis made it possible to produce tables of results.

The various tables and results produced were reviewed, finalised and validated at the various validation meetings involving all stakeholders, especially the data producers, development team at the Department of Agriculture Surveys and Statistics, devolved services of the Ministry of Agriculture and Rural Development, as well as experts with proven skills in the field.

The resulting document was subsequently examined at a working session that brought together the various focal points of the departments of the Ministry of Agriculture and Rural Development and the Department of Agriculture Surveys and Statistics. The document was subsequently validated after the drafting team took into account the recommendations made at the said session.

2.2.7. Editing and dissemination

Before reprography, the document was submitted to a team for proofreading. It was subsequently submitted to the relevant service for editing before dissemination, based on a mailing list that was drawn in collaboration with the team that developed the yearbook. In addition to the mailing list, copies were made available to users for on-site consultation. The electronic version of the document was, however, uploaded at "www.minader.cm" even before its reproduction. Finally, this publication was also disseminated through dissemination seminars and workshops.

2.2.8. Yearbook limitations

Some limitations can, however, be noted in the context of the development of this AGRISTAT, namely:

- a significant proportion of the enterprises that were contacted did not submit data forms;
- the break in the production of the statistical yearbook during the period from 2011 to 2021;
- the absence of an Annual Agricultural Survey since 2010;
- the unavailability of certain data in the expected format;
- the insufficiency of financial resources, which did not make it possible to take charge of the critical segments (staff of the devolved services of the Ministry of Agriculture and Rural Development) in the development of AGRISTAT, such as the Heads of the Regional Services of Agriculture Surveys and Statistics and Heads of Divisional Sections of Agriculture Surveys and Statistics;
- non-harmonisation of data collection methodologies at the devolved level.

2.2.9. Relevance and use of the statistical yearbook

The AGRISTAT statistical yearbook is the statistical memories of the Ministry of Agriculture and Rural Development. It is the annual summary document of agricultural statistics and provides information on trends in the main indicators

of the agriculture and rural development sub-sector, over several years. Regular monitoring of changes in these statistics is the best way to determine the impact of the State's multifaceted support on the primary sector. It is used to compare and analyse situations and is a critical tool for fact-based decision-making.

As such, AGRISTAT is a product of the Ministry of Agriculture and Rural Development which should ensure visibility of the performance of the actions carried out by the ministry in the sector. It is a working document for users.

For the ministry, it will make it possible to prepare the Medium-Term Expenditure Frameworks (MTEFs) through planning, programming, budgeting and monitoring-evaluation. For other users, such as public and private administrations, regional and international organisations, researchers, civil society and others, its content will make it possible for studies and research to be conducted in the agriculture and rural development sub-sector.

3. FOCUS ON SOME PERFORMANCE INDICATORS

This section reports on a set of indicators on the trends in production volumes and traded volumes of some of the main industrial and export crops in Cameroon, as well as the traded volumes of some goods from agricultural products and inputs.

TABLE 1: Some performance indicators

Indicators	2016	2017	2018	2019	2020
Growth rate of the cocoa, coffee, tea and sugar industries (in %)	10.0	23.2	1.0	4.9	-2.4
Growth rate of cereal-based product manufacturing industries (in %)	1.5	3.7	2.2	5.1	9.3
Growth rate of rubber production industries and manufacture of rubber items (in %)	0.3	0.5	-2.4	-1.5	-7.6
Growth rate of trade margins for agricultural products (in %)	4.3	3.1	4.3	4.4	0.2
Growth rate of trade margins for cocoa, coffee, tea and sugar products (in %)	10.7	18.5	0.8	3.2	-3.7
Trends in exports as a volume of goods of agricultural products (%)	9.1	-5.9	1.3	1.6	-8.0
Trends in exports as a volume of goods of agri-food industry products	121.8	10.4	6.1	-12.2	-3.3
Trends in imports as a volume of goods of agricultural products (%)	2.9	12.3	4.3	7.6	-6.8
Trends in imports as a volume of goods of agri-food industry products (%)	1.8	5.0	-2.8	8.4	-5.8
Trends in imports as a volume of fertiliser goods (in thousand tons)	... ¹	...	...	203.4	209.8
Trends in imports as a volume of insecticide; fungicide; herbicide goods, etc. (in thousand tons)	...	...	...	19.3	26.3
Trends in imports of agricultural products (%)	2.9	14.9	-5.4	15.6	...

Source: MINADER; MINFI (RASPEFIN 2021)

¹ ... : Result not available

CHAPTER 2: PRODUCTION AND PRODUCTIVITY OF AGRICULTURAL SECTORS

This chapter reports on trends in the annual production of the priority vegetable sectors.

More specifically, it provides information on:

- trends in production and productivity of cereal sectors;
- trends in production and productivity of roots and tubers, fruits and derived products;
- trends in production and productivity of industrial sectors;
- trends in production and productivity of other sectors;
- the structuring and building of stakeholders technical capacities;
- control of quality of products and support for agricultural inputs
- the promotion of medium and large farms.

Technical note:

In general, statistics on production and productivity provided in this chapter are those capitalised at the end of each year and are based on information available at the Regional Delegations of Agriculture and Rural Development (DRADER), and Divisional Delegations of Agriculture and Rural Development (DDADER).

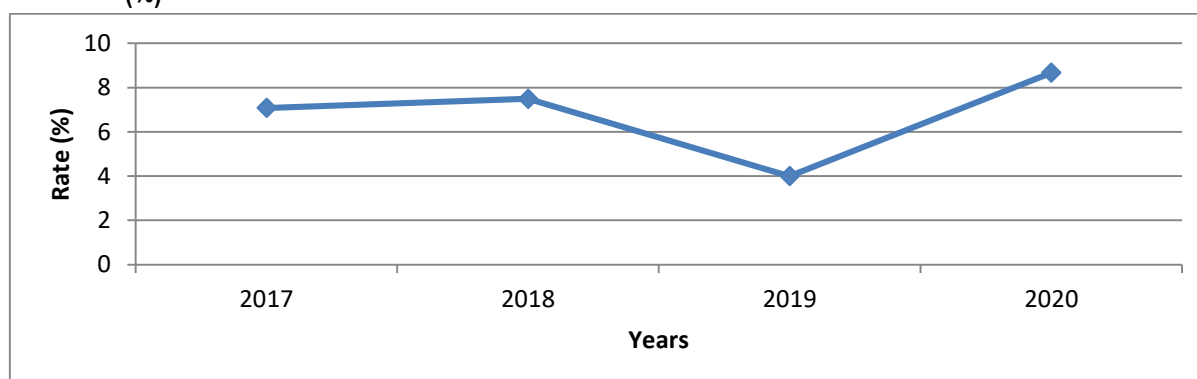
In addition, the sectors considered are the priority sectors in keeping with to memo No. 01024/MINADER/SG/DEPC/CAPPA of 18 April 2019 on the priority sectors to be developed by the Ministry of Agriculture and Rural Development. These are: rice, maize, sorghum, cassava, potato, cocoa, coffee, cotton, palm oil, plantain, pineapple and cashew. However, a few sectors were added according to the various groups.

For any further information, please contact the sources of the tables/figures.

1. FOCUS ON THE MAIN PERFORMANCE INDICATOR OF THE CHAPTER

This part provides information on the main indicator of this chapter. This is the annual growth rate of national production volumes for all the identified priority sectors.

FIGURE 1: Trends in the annual growth rate of national production volumes for priority sectors (%)



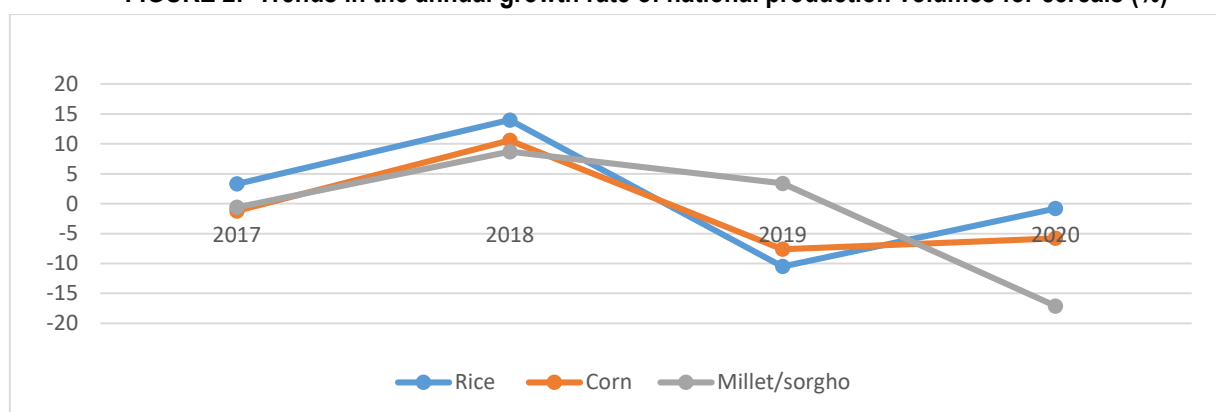
Source: MINADER (Annual Performance Reports)

Note: The exact values of this indicator may be found in appendix 20

2. PRODUCTION AND PRODUCTIVITY OF CEREALS

Information relating to trends in the production and productivity of the priority cereal sectors, namely rice, maize and millet/sorghum, is provided in this section.

FIGURE 2: Trends in the annual growth rate of national production volumes for cereals (%)



Source: DESA/MINADER

TABLE 2: Annual growth rate of national production volumes for cereals (%)

	2017	2018	2019	2020
Rice	3.3	14.0	-10.5	-0.8
Maize	-1.2	10.6	-7.6	5.8
Millet/sorghum	-0.6	8.7	3.4	-17.1

Source: DESA/MINADER

2.1. PRODUCTION OF CEREALS

TABLE 3: Paddy rice production volume (tons)

Region	2016	2017	2018	2019	2020
Adamawa	1,281.5	1,397.0	2,086.0	2,398.0	1,896.4
Centre	10,741.5	10,658.0	10,520.0	10,126.0	10,996.0
East	736.2	800.9	825.0	873.7 ^e	925.2 ^e
Far-North	129,401.3 ^{e2}	127,062.0	115,617.6	138,361.0	117,960.0
Littoral	52.7	57.2	59.0	62.4 ^e	66.1 ^e
North	70,505.3	81,290.5	115,048.8	66,217.0	99,216.0
North-West	54,160.3	54,028.2	74,018.6	68,198.0	54,558.4
West	7,069.1	7,690.6	5,075.8	2,720.0	3,141.0
South	3,020.9	3,286.6	3,648.1	3,200.0	1,300.0
South-West	828.0 ^e	828.0	467.0	694.0	390.0
Total	277,796.8	287,099.0	327,365.9	292,850.1	290,449.1

Source: DESA/MINADER

^e: Estimate and evaluation

TABLE 4: Maize production volume (tons)

Region	2016	2017	2018	2019	2020
Adamawa	182,245.5	169,470.6	173,609.6	164,542.0	153,225.5
Centre	241,549.1	275,708.0	285,001.0	237,149.0	230,086.8
East	114,909.5	119,575.2	123,333.0	100,575.9	96,804.7
Far-North	180,874.4	196,391.0	288,883.0	245,218.0	319,542.0
Littoral	189,322.0	190,345.0	194,300.0	253,000.0	210,500.0
North	528,201.8	557,240.5	657,031.0	610,446.0	438,976.5
North-West	220,496.9	224,950.9	215,727.9	112,256.0	84,680.0
West	394,888.4	319,468.4	324,260.4	332,073.0	390,904.0
South	88,600.0	59,791.0	91,757.9	101,262.0	101,000.0
South-West	54,853.1	56,285.5	44,732.9	60,693.0	62,237.6
Total	2,195,940.7	2,169,226.1	2,398,636.7	2,217,214.9	2,087,957.1

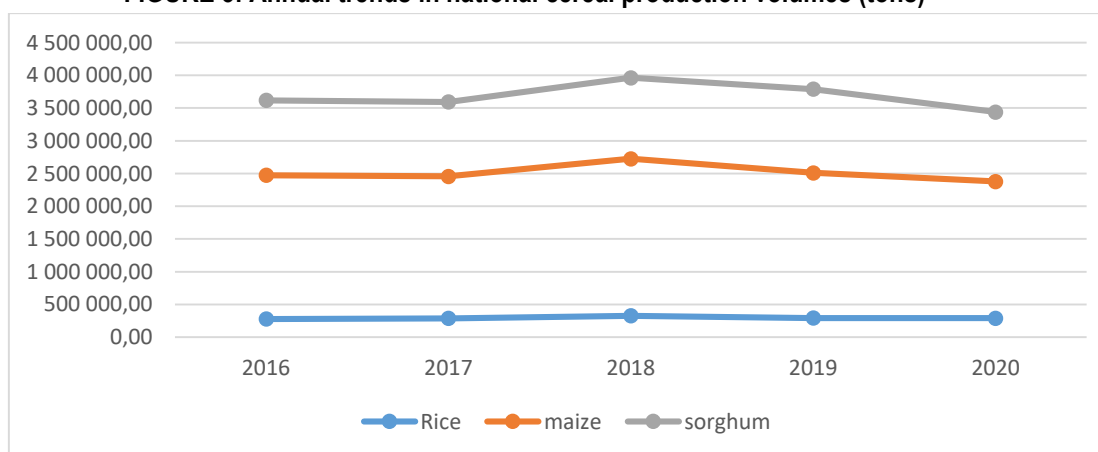
Source: DESA/MINADER

TABLE 5: Millet/Sorghum production volume (tons)

Region	2016	2017	2018	2019	2020
Adamawa	47,699.3	47,418.2	48,840.7	48,740.7	48,640.9
Centre	n.a. ³	n.a.	n.a.	n.a.	n.a.
East	n.a.	n.a.	n.a.	n.a.	n.a.
Far-North	780,364.4	775,764.8	782,257.0	793,976.0	677,336.8
Littoral	n.a.	n.a.	n.a.	n.a.	n.a.
North	312,331.8	310,490.8	400,942.0	431,035.0	330,611.5
North-West	4,596.5	4,569.4	5,121.1	4,930.6 ^{e 4}	4,053.2 ^e
West	n.a.	n.a.	n.a.	n.a.	n.a.
South	n.a.	n.a.	n.a.	n.a.	n.a.
South-West	n.a.	n.a.	n.a.	n.a.	n.a.
Total	1,144,992.0	1,138,243.2	1,237,160.8	1,278,682.3	1,060,642.4

Source: DESA/MINADER

FIGURE 3: Annual trends in national cereal production volumes (tons)



Source: DESA/MINADER

2.2. CEREAL PRODUCTIVITY

Productivity was calculated by relating the quantity produced to the surface area cultivated and not the quantity harvested (as a result of the unavailability of the surface areas harvested by speculation). With regard to overall

³ n.a.: Not applicable

⁴ e: Estimate and evaluation

productivity, calculation was made by relating the national production for the year to the national surface area for the same year. It should be noted that cereal yields in the Adamawa region may contain a certain margin of error, as a result of the consideration of these cultivated surface areas. The insecurity of the populations, due to the presence of highway robbers, has led to the abandonment of agricultural products in farms. Thus, productivity of these speculations is underestimated.

TABLE 6: Paddy rice productivity (tons/hectare)

Region	2016	2017	2018	2019	2020
Adamawa	1.84	2.61	2.81	2.77	2.24
Centre	1.23	1.22	1.22	1.10	1.11
East	1.13	1.07	1.07	1.09 ^e	1.09
Far-North	2.67 ^{e5}	2.74	2.80	2.88	3.02
Littoral	1.13	1.07	1.07	1.04 ^e	1.01 ^e
North	3.69	3.62	4.73	2.22	2.46
North-West	1.23	1.10	1.83	1.62	1.31
West	1.13	2.09	1.15	1.44	1.35
South	0.95	0.90	1.18	0.88	1.31
South-West	1.43 ^e	1.53	1.50	1.50	1.19
Total	2.11	2.11	2.64	2.14	2.13

Source: DESA/MINADER

TABLE 7: Maize productivity (tons/hectare)

Region	2016	2017	2018	2019	2020
Adamawa	2.42	2.30	2.43	2.26	2.29
Centre	1.76	2.32	1.92	1.90	1.77
East	1.74	1.47	1.47	1.13	1.11
Far-North	1.74	1.73	2.13	1.87	2.06
Littoral	2.11	2.24	2.24	2.90	2.37
North	2.59	2.53	2.63	2.62	2.08
North-West	1.74	1.50	1.55	1.36	1.50
West	1.74	1.26	1.11	1.37	1.40
South	1.77	1.33	1.47	1.92	1.89
South-West	1.74	1.47	1.47	1.24	1.50
Total	1.98	1.84	1.85	1.91	1.78

Source: DESA/MINADER

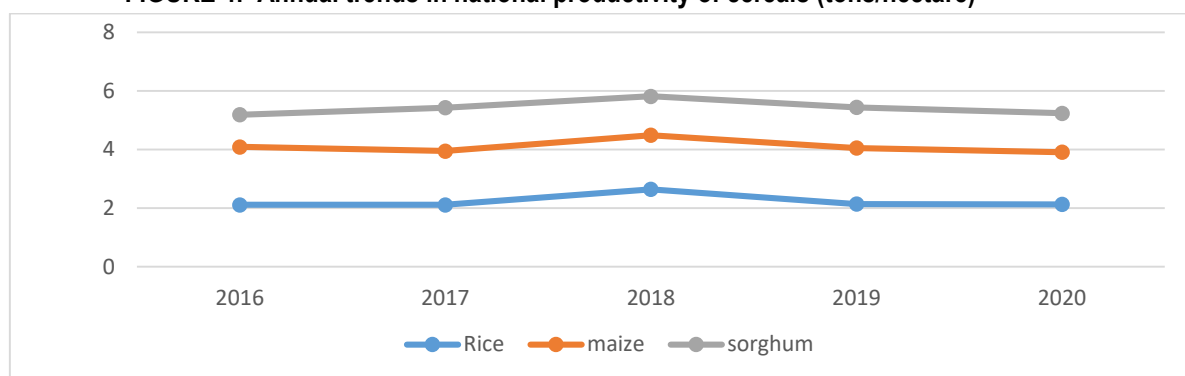
⁵ e: Estimate and evaluation

TABLE 8: Millet/sorghum productivity (tons/hectare)

Region	2016	2017	2018	2019	2020
Adamawa	1.10	1.20	1.20	1.24	1.28
Centre	n.a. ⁶	n.a.	n.a.	n.a.	n.a.
East	n.a.	n.a.	n.a.	n.a.	n.a.
Far-North	1.10	1.43	1.43	1.39	1.19
Littoral	n.a.	n.a.	n.a.	n.a.	n.a.
North	1.10	1.72	1.20	1.42	1.75
North-West	1.10	0.89	1.00	1.00 ^{e7}	1.00 ^e
West	n.a.	n.a.	n.a.	n.a.	n.a.
South	n.a.	n.a.	n.a.	n.a.	n.a.
South-West	n.a.	n.a.	n.a.	n.a.	n.a.
Total	1.10	1.48	1.33	1.39	1.33

Source: DESA/MINADER

FIGURE 4: Annual trends in national productivity of cereals (tons/hectare)



Source: DESA/MINADER

3. PRODUCTION AND PRODUCTIVITY OF ROOTS AND TUBERS, FRUITS AND DERIVED PRODUCTS

This section provides information relating to trends in the production and productivity of the priority root and tuber and fruit sectors, particularly, cassava, potato, and pineapple (in keeping with No. memo 01024 MINADER/SG/DEPC/CAPPA of 18 April 2019 on the priority sectors to be developed by the Ministry of Agriculture and Rural development). It also provides information relating to trends in the production and productivity of cocoyam/taro, yam, sweet potato and watermelon.

3.1. PRODUCTION OF ROOTS AND TUBERS AND FRUITS

Information relating to trends in the production of the priority root and tuber and fruit sectors is provided below: It should be noted that, with regard to fruits, only information relating to pineapple and watermelon is provided in this document due to the unavailability of data on the other fruits.

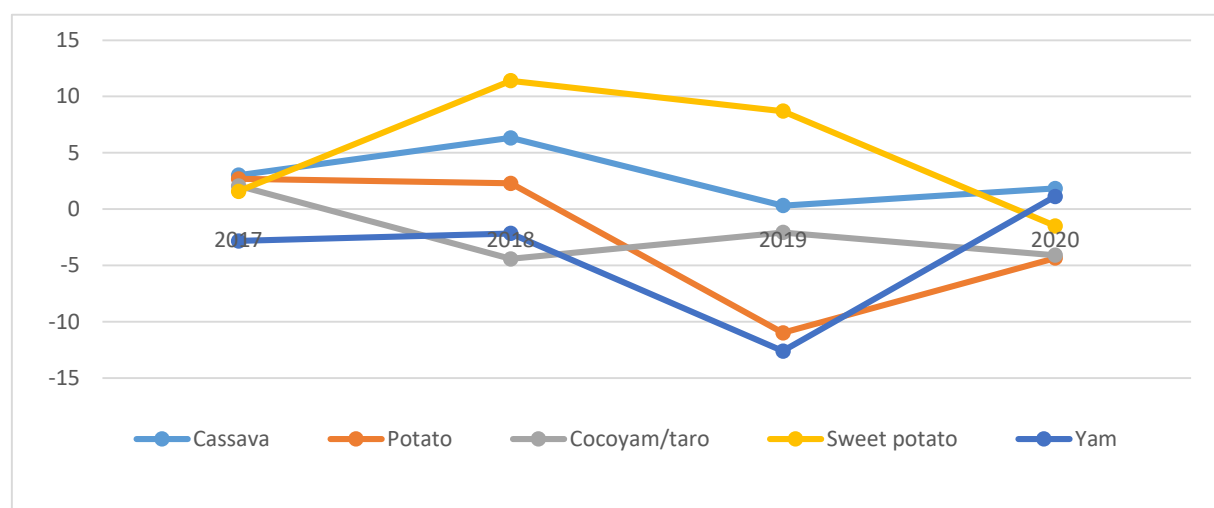
⁶ n.a.: Not applicable

⁷ e: Estimate and evaluation

3.1.1. Production of roots and tubers

This section reports on trends in the production of the priority roots and tubers sectors.

FIGURE 5: Trends in the annual growth rate of national production volumes of the main roots and tubers (%)



Source: DESA/MINADER

TABLE 9: Annual growth rate of national production volumes of the main roots and tubers (%)

	2017	2018	2019	2020
Cassava	3.01	6.32	0.31	1.83
Potato	2.69	2.28	-10.99	-4.35
Cocoyam/taro	2.06	-4.42	-2.08	-4.10
Sweet potato	1.58	11.40	8.70	-1.50
Yam	-2.83	-2.16	-12.62	1.12

Source: DESA/MINADER

TABLE 10: Cassava production volume (tons)

Region	2016	2017	2018	2019	2020
Adamawa	227,954.7	291,300.7	298,022.4	465,186.0	412,387.8
Centre	1,566,596.0	1,565,843.0	1,560,001.0	1,591,201.0	1,590,788.3
East	1,087,052.1	1,129,804.3	1,216,294.5	1,258,865.0	1,358,864.0
Far-North	7,494.5	7,789.2	6,698.7	6,840.0	5,207.7
Littoral	459,555.0	478,041.0	490,500.0	510,500.0	525,500.0
North	43,324.0	84,248.0	135,259.0	149,149.0	109,432.0
North-West	162,770.5	170,909.0	179,454.5	146,533.0	146,533.0
West	167,672.8	156,164.6	178,968.5	191,828.0	259,238.0
South	849,986.0	878,470.0	931,893.5	811,570.0	802,240.4
South-West	594,330.5	559,859.3	661,661.0	544,378.0	569,535.3
Total	5,166,736.1	5,322,429.1	5,658,753.1	5,676,050.0	5,779,726.5

Source: DESA/MINADER

TABLE 11: Potato production volume (tons)

Region	2016	2017	2018	2019	2020
Adamawa	14,720.5	15,463.3	14,972.0	17,570.0	11,403.0
Centre	923.0	811.0	600.0	519.8	503.1
East	n.a. ⁸	n.a.	n.a.	n.a.	n.a.
Far-North	22,925.3	22,545.4	27,842.7	24,693.7	25,239.0
Littoral	721.5	743.2	758.0	776.9	808.8
North	565.0	640.0	959.0	1,651.0	2,218.0
North-West	89,059.5	90,001.5	91,059.0	92,075.5	85,259.0 ⁹
West	220,963.1	229,801.7	234,397.7	192,724.0	189,726.2
South	1,103.0	1,110.0	1,125.0	1,120.0	1 124.3 ^p
South-West	8,817.4	8,376.5	6,198.6	5,247.0	5,474.0 ^p
Total	359,798.3	369,492.6	377,912.0	336,378.0	321,755.3^p

Source: DESA/MINADER

TABLE 12: Cocoyam/taro production volume (tons)

Region	2016	2017	2018	2019	2020
Adamawa	28,652.7	12,950.8	14,532.4	12,825.0	16,181.0
Centre	363,141.6	382,902.1	382,519.2	392,082.0	323,250.0
East	375,697.9	396,141.7	403,193.0	389,011.0	396,664.3 ^e
Far-North	1,826.5	1,925.8	1,694.7	2,059.0	2,136.0 ^e
Littoral	429,587.2	452,963.4	454,775.3	460,233.0	470,000.0
North	43 929.5 ^{e10}	37,998.0	35,432.0	25,519.0	21,763.2
North-West	113,955.8	115,255.5	103,355.0	93,355.0	112,256.0
West	138,128.2	143,653.3	148,215.0	139,703.0	106,615.5
South	163,153.0	152,130.0	156,693.9	144,785.0	144,904.8
South-West	180,072.6	180,121.3	92,702.0	96,272.0	90,000.0
Total	1,838,145.0	1,876,041.9	1,793,112.5	1,755,844.0	1,683,770.8

Source: DESA/MINADER

TABLE 13: Sweet potato production volume (tons)

Region	2016	2017	2018	2019	2020
Adamawa	68,331.6	72,665.5	76,371.5	38,301.0	36,655.0
Centre	105,729.9	112,435.8	120,868.5	127,430.0	134,348.0
East	27,088.3	28,806.3	30,794.0	32,106.0	33,000.0
Far-North	32,701.2	34,775.3	29,016.5	28,089.0	28,800.0
Littoral	33,556.7	35,685.0	38,860.9	36,000.0	58,556.5
North	32,710.4	44,104.5	53,774.0	78,694.0	71,085.2
North-West	28,164.6	30,768.4	33,613.0	30,581.0	32,014.7
West	74,350.7	90,692.8	108,994.0	112,264.0	77,111.0
South	16,933.3	17,441.3	17,964.5	15,304.0	15,680.9
South-West	7,332.3	18,604.0	9,646.0	10,341.2 ^{p11}	11,087.0 ^p
Total	426,899.0	433,663.9	483,090.2	525,140.2^p	517,281.3^p

Source: DESA/MINADER

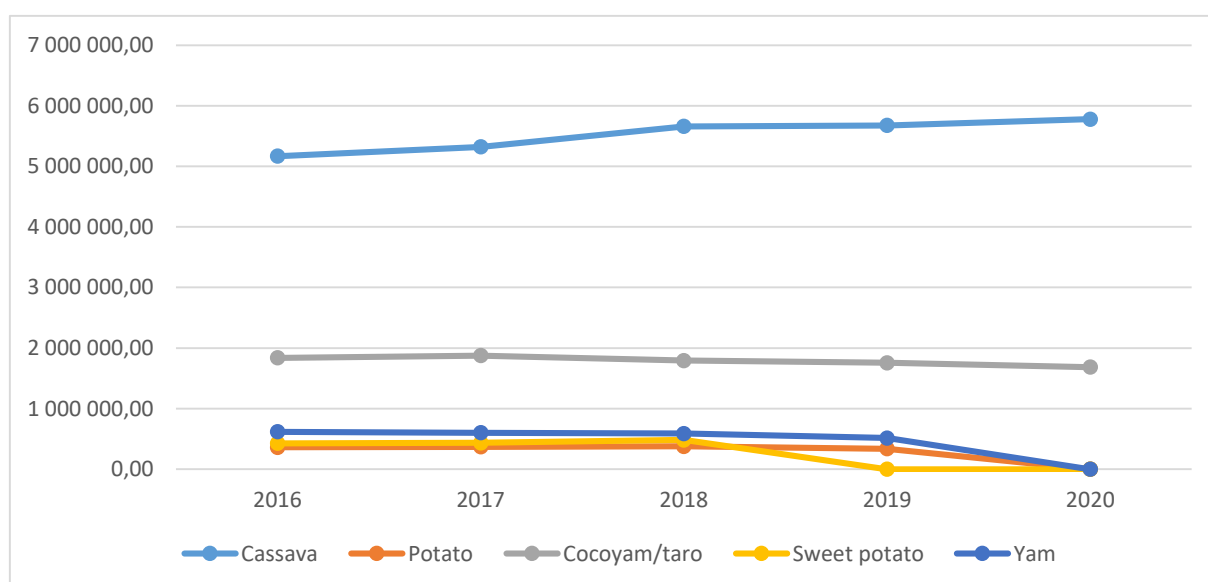
⁸ n.a.: Not applicable⁹ p Provisional data¹⁰ e: Estimate and evaluation¹¹ p Provisional data

TABLE 14: Yam production volume (tons)

Region	2016	2017	2018	2019	2020
Adamawa	79,751.7	82,716.7	74,128.8	74,624.0	76,052.3
Centre	164,967.5	164,967.5	169,851.0	159,616.0	159,616.0
East	73,427.6	75,997.6	78,657.5	76,558.0	78,000.0
Far-North	n.a. ¹²	n.a.	n.a.	n.a.	n.a.
Littoral	68,668.5	74,123.0	74,800.0	75,900.0	77,900.0
North	15,697.3	14,503.0	15,397.0	10,080.0	14,541.0
North-West	111,370.8	100,790.6	96,355.8	42,838.0	39,408.0
West	42,033.6	36,443.2	42,638.5	38,586.0	35,229.0
South	7,334.1	7,121.4	7,650.5	7,312.0	7,874.0 ^P
South-West	54,884.8	43,951.2	28,183.0	28,000.0	30,625.0
Total	618,135.9	600,614.2	587,662.1	513,514.0	519,245.3^P

Source: DESA/MINADER

FIGURE 6: Annual trends in national production volumes of the main roots and tubers (tons)



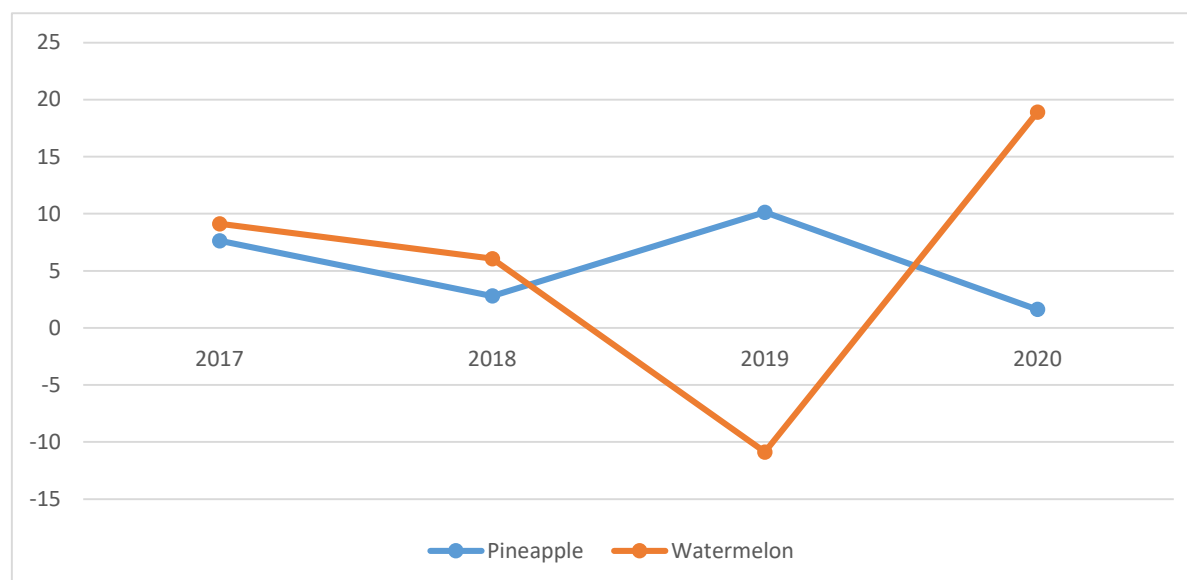
Source: DESA/MINADER

¹² n.a.: Not applicable

3.1.2. PINEAPPLE AND WATERMELON PRODUCTION

Information relating to trends in the production of fruits is provided below:

FIGURE 7: Trends in the annual growth rate of national pineapple and watermelon production volumes (%)



Source: DESA/MINADER

TABLE 15: Annual growth rate of national pineapple and watermelon production volumes (%)

	2017	2018	2019	2020
Pineapple	7.64	2.80	10.13	1.62
Watermelon	9.12	6.06	-10.88	18.89

Source: DESA/MINADER

TABLE 16: Pineapple production volume (tons)

Region	2016	2017	2018	2019	2020
Adamawa	1,923.2	2,989.7	3,258.7	3,543.0	3,852.1
Centre	114,846.1	123,570.0	128,512.8	134,397.0	128,976.0
East	11,098.4	17,400.0	17,597.7	17,040.0	20,685.0
Far-North	n.a. ¹³	n.a.	n.a.	n.a.	n.a.
Littoral	53,835.0	54,912.0	55,000.0	56,000.0	56,500.0
North	n.a.	n.a.	n.a.	n.a.	n.a.
North-West	699.9	601.2	643.3	630.0	1,728.0
West	1,725.5	1,863.5	2,012.6	2,100.0	2,525.0
South	3,456.0	3,354.0	3,350.0	3,390.0	3,869.9
South-West	13,941.0	13,718.0	14,678.3	14,989.0	8,576.0
Total	227,565.8	244,963.0	251,830.6	277,341.0	281,837.0

Source: DESA/MINADER

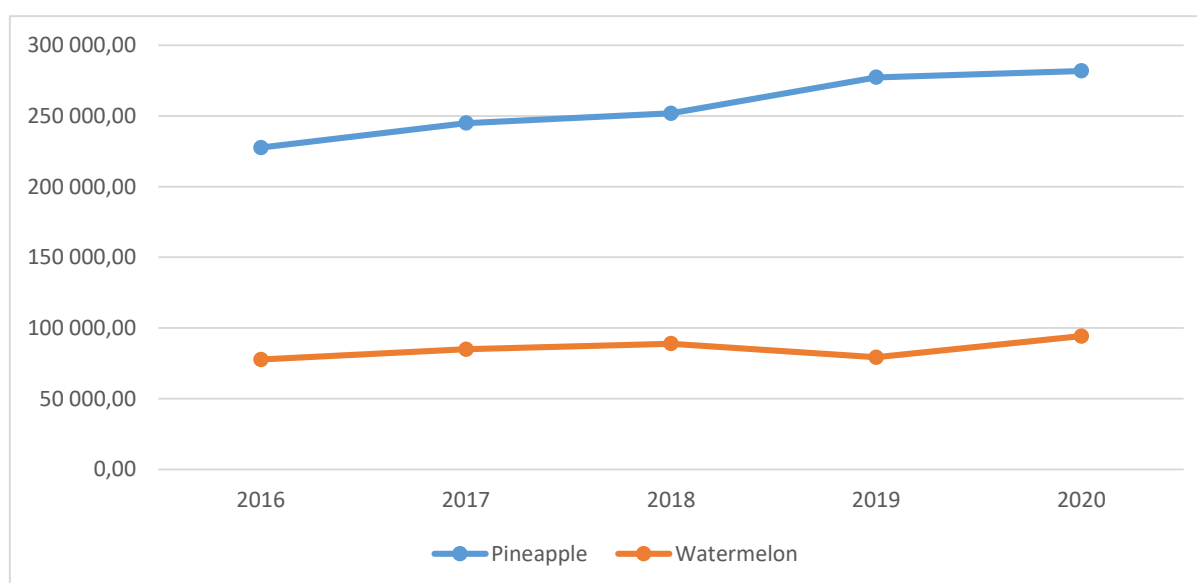
¹³ n.a.: Not applicable

TABLE 17: Watermelon production volume (tons)

Region	2016	2017	2018	2019	2020
Adamawa	48.2	205.0	366.0	897.9	947.8
Centre	25,431.8	26,878.3	21,014.0	21,771.0	21,694.4
East	1,738.9	1,837.8	1,942.0	2,079.1 ^e	3,125.6
Far-North	384.2 ^{e14}	469.3 ^e	745.0	7,404.0	6,322.3
Littoral	3,941.6	7,750.0	7,820.0	8,100.0	4,416.0
North	469.5 ^e	630.6 ^e	775.0	2,149.0	16,134.0
North-West	2,187.9	299.7	2,309.0	602.0	887.0
West	43,001.3	46,666.3 ^e	53,771.7	36,070.0	40,513.0
South	70.9	72.0	79.0	77.0	83.0 ^e
South-West	372.7	91.0	60.0	60.0	47.1
Total	77,647.1	84,900.0	88,881.7	79,210.0	94,170.3

Source: DESA/MINADER

FIGURE 8: Annual trends in national pineapple and watermelon production volumes (tons)



Source: DESA/MINADER

3.2. PRODUCTIVITY OF ROOTS AND TUBERS, AND FRUITS

This part provides information on trends in the productivity of roots and tubers, and fruits.

3.2.1. Productivity of roots and tubers

This section reports on information relating to trends in the productivity of roots and tubers. Productivity was calculated by relating the quantity produced to the surface area cultivated and not the quantity harvested (as a result of the unavailability of the surface areas harvested by speculation). With regard to overall productivity, calculation was made by relating the national production for the year to the national surface area for the same year.

^{14 e}: Estimate

TABLE 18: Cassava productivity (tons/hectare)

Region	2016	2017	2018	2019	2020
Adamawa	12.70	13.35	12.65	12.17	12.19
Centre	14.39	15.77	16.48	15.83	15.80
East	13.69	14.57	14.57	14.68	15.37
Far-North	16.01	17.68	17.68	17.10	17.10
Littoral	11.07	11.07	11.07	11.29	11.20
North	11.14	12.10	12.60	12.99	12.09
North-West	15.17	13.50	13.50	10.40	9.81
West	15.53	17.11	17.11	17.30	21.51
South	15.47	14.06	14.57	14.70	14.70
South-West	15.87	14.57	13.84	14.76	13.81
Total	14.11	14.31	14.41	14.23	14.38

Source: DESA/MINADER

TABLE 19: Potato productivity (tons/hectare)

Region	2016	2017	2018	2019	2020
Adamawa	12.43	11.76	13.77	13.06	11.14
Centre	10.03	9.01	9.68	9.68	10.72
East	n.a. ¹⁵	n.a.	n.a.	n.a.	n.a.
Far-North	6.16	5.90	6.45	6.18	6.20
Littoral	14.78	12.68	13.66	13.03	13.71
North	4.63	4.74	7.00	6.50	8.01
North-West	9.88	9.08	9.08	10.65	9.87
West	13.05	12.43	13.94	13.73	12.57
South	14.81	12.67	13.67	14.00	14.00
South-West	12.67	13.66	13.66	12.01	12.53
Total	11.28	10.70	11.44	11.64	10.82

Source: DESA/MINADER

TABLE 20: Cocoyam/taro productivity (tons/hectare)

Region	2016	2017	2018	2019	2020
Adamawa	8.10	7.32	7.45	6.52	8.18
Centre	5.37	5.37	5.37	5.37	5.37
East	8.10	8.52	8.52	7.64	7.55
Far-North	8.10	8.10	6.49	5.72	7.10
Littoral	8.10	7.60	7.60	12.32	11.99
North	8.43	8.02	11.12	7.94	6.64
North-West	8.10	10.48	10.00	10.00	10.00
West	8.80	8.52	8.22	5.83	7.08
South	8.10	8.80	8.52	8.35	8.29
South-West	8.10	8.52	8.52	7.94	5.37
Total	7.41	8.43	7.43	7.65	7.72

Source: DESA/MINADER

¹⁵ n.a.: Not applicable

TABLE 21: Sweet potato productivity (tons/hectare)

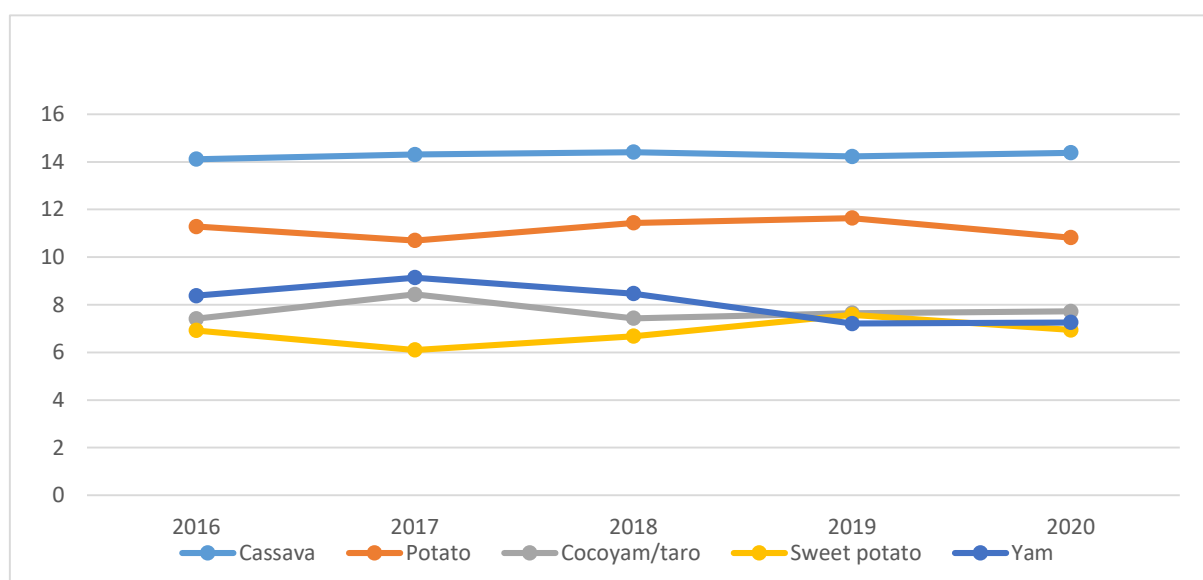
Region	2016	2017	2018	2019	2020
Adamawa	6.71	2.80	10.02	10.08	10.76
Centre	4.38	4.54	4.44	4.49	4.20
East	6.64	5.75	5.75	6.05	5.80
Far-North	11.19	12.96	13.85	13.09	13.72
Littoral	6.64	5.42	5.75	5.94	4.83
North	6.64	5.52	5.59	10.49	9.64
North-West	15.84	17.06	15.89	14.43	15.97
West	20.00	20.00	24.71	20.00	20.00
South	6.64	5.42	5.75	5.10	5.01
South-West	3.08	2.56	1.26	2.72	5.76
Total	6.92	6.10	6.68	7.58	6.94

Source: DESA/MINADER

TABLE 22: Yam productivity (tons/hectare)

Region	2016	2017	2018	2019	2020
Adamawa	10.80	11.59	9.62	9.83	9.67
Centre	5.19	6.11	5.41	4.28	4.28
East	10.80	11.53	11.53	12.76	12.07
Far-North	n.a. ¹⁶	n.a.	n.a.	n.a.	n.a.
Littoral	10.80	11.16	11.53	10.52	10.52
North	10.80	11.16	11.53	9.00	12.32
North-West	10.80	10.67	10.87	10.04	9.90
West	10.80	11.64	11.64	8.25	9.17
South	10.80	11.16	11.53	11.08	11.61
South-West	10.80	11.53	11.53	11.67	10.98
Total	8.38	9.14	8.47	7.21	7.26

Source: DESA/MINADER

FIGURE 9: Annual trends in national productivity of the main roots and tubers (tons/hectare)


Source: DESA/MINADER

¹⁶ n.a.: Not applicable

3.2.2. PINEAPPLE AND WATERMELON PRODUCTIVITY

This part provides information on trends in the productivity of fruits. Productivity was calculated by relating the quantity produced to the surface area cultivated and not the quantity harvested (as a result of the unavailability of the surface areas harvested by speculation). With regard to overall productivity, calculation was made by relating the national production for the year to the national surface area for the same year.

TABLE 23: Pineapple productivity (tons/hectare)

Region	2016	2017	2018	2019	2020
Adamawa	22.52	31.81	33.59	33.33	33.09
Centre	22.26	20.61	20.61	18.34	17.19
East	22.51	35.42	35.13	32.03	35.78
Far-North	n.a.	n.a.	n.a.	n.a.	n.a.
Littoral	27.47	27.47	27.47	27.78	27.80
North	n.a. ¹⁷	n.a.	n.a.	n.a.	n.a.
North-West	28.00	28.63	27.97	27.39	28.00
West	15.99	15.99	15.97	16.03	15.98
South	36.00	35.01	35.12	34.59	34.46
South-West	32.96	35.12	35.12	37.95	37.95
Total	27.25	26.61	26.52	26.09	26.04

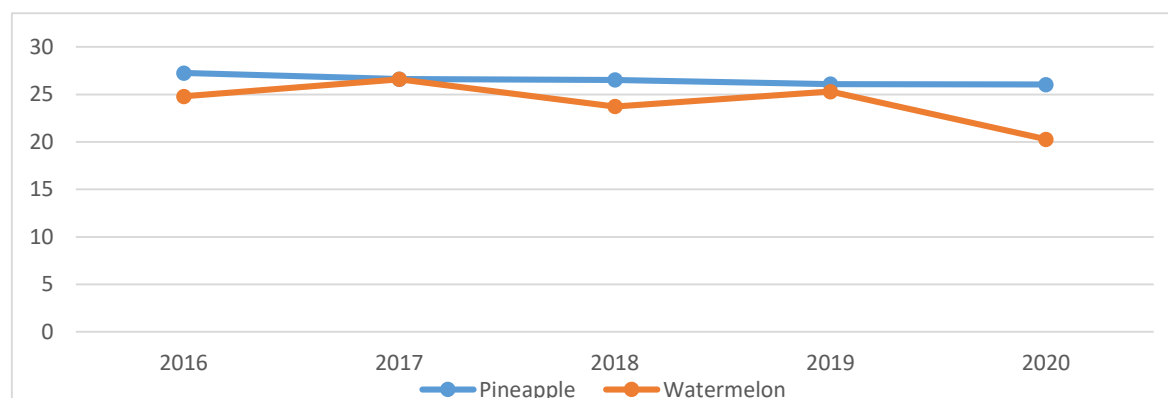
Source: DESA/MINADER

TABLE 24: Watermelon productivity (tons/hectare)

Region	2016	2017	2018	2019	2020
Adamawa	13.12	11.71	10.46	11.09	11.09
Centre	26.55	24.57	19.19	21.18	20.28
East	24.12	25.63	25.62	27.43 ^e	25.62
Far-North	21.95 ^e	21.83 ^e	21.91	19.28	19.28
Littoral	24.12	26.40	26.42	26.21	11.60
North	18.76 ^e	19.42 ^e	22.79	16.92	14.32
North-West	24.12	22.20	25.63	23.15	23.78
West	24.12	28.44 ^e	25.84	32.91	27.27
South	24.45	22.50	25.48	25.67	27.67 ^e
South-West	24.05	25.28	26.09	30.00	6.73
Total	24.79	26.60	23.72	25.29	20.27

Source: DESA/MINADER

FIGURE 10: Annual trends in national pineapple and watermelon productivity (tons)



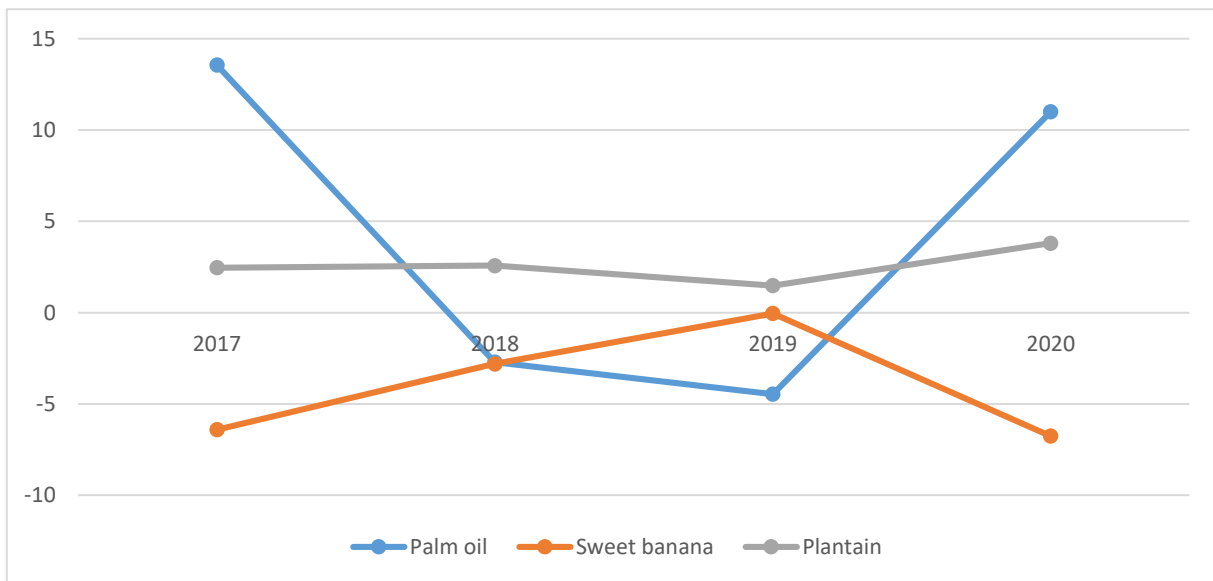
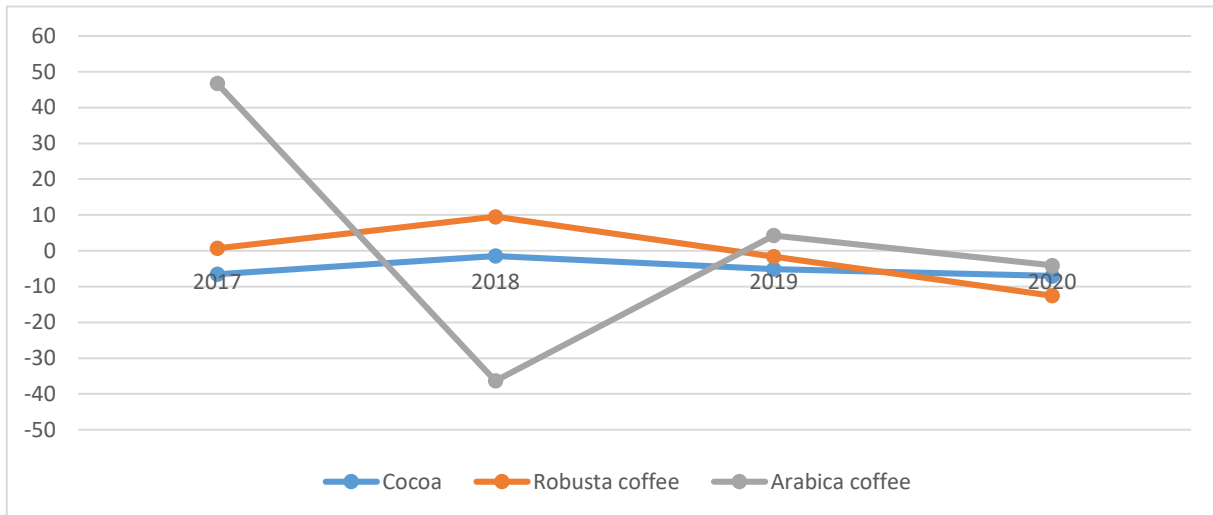
Source: DESA/MINADER

¹⁷ n.a.: Not applicable

4. PRODUCTION AND PRODUCTIVITY OF INDUSTRIAL SECTORS

The following part provides information on trends in production and productivity of industrial sectors.

FIGURE 11: Trends in the annual growth rate of national production volumes of industrial and export sectors (%)



Source: DESA/MINADER

TABLE 25: Annual growth rate of national production volumes of industrial and export sectors (%)

	2017	2018	2019	2020
Cocoa	-6.53	-1.46	-5.13	-7.03
Palm oil	13.56	-2.71	-4.47	11.00
Robusta coffee	0.71	9.52	-1.61	-12.53
Arabica coffee	46.74	-36.31	4.28	-4.08
Sweet banana	-6.41	-2.81	-0.05	-6.76
Plantain	2.46	2.57	1.48	3.80

Source: DESA/MINADER

4.1. PRODUCTION OF INDUSTRIAL AND EXPORT PRODUCTS

The following section is aimed at presenting information relating to trends in the production of industrial sectors.

TABLE 26: Cocoa production volume (tons)

Region	2016	2017	2018	2019	2020
Adamawa	155.9 ^{e18}	171.7 ^e	195.0	198.0	225.0
Centre	151,496.1 ^e	146,825.7	154,553.4	159,333.4	158,814.7
East	2,917.7 ^e	4,636.6 ^e	12,200.0	11,709.0	16,049.8
Far-North	n.a. ¹⁹	n.a.	n.a.	n.a.	n.a.
Littoral	24,034.0	20,189.0	21,300.0	25,900.0	26,800.0
North	n.a.	n.a.	n.a.	n.a.	n.a.
North-West	213.4	172.4	180.0	190.5	120.5
West	3,161.0	8,546.7	11,538.0	11,177.0	15,116.5
South	22,000.0	23,635.0	21,417.9 ^e	19,947.9	18,950.5
South-West	140,774.1 ^e	118,070.7	96,146.0	72,799.4	74,000.0
Total	344,752.2	322,247.8	317,530.3	301,255.2	310,077.0

Source: DESA/MINADER

TABLE 27: Marketed cocoa production volume (tons)

	2016	2017	2018	2019	2020
Total production	344,752.2	322,247.8	317,530.3	301,255.2	310,077.0
Marketed production	269,497.0	231,641.0	253,510.0	264,253.0	251,151.0

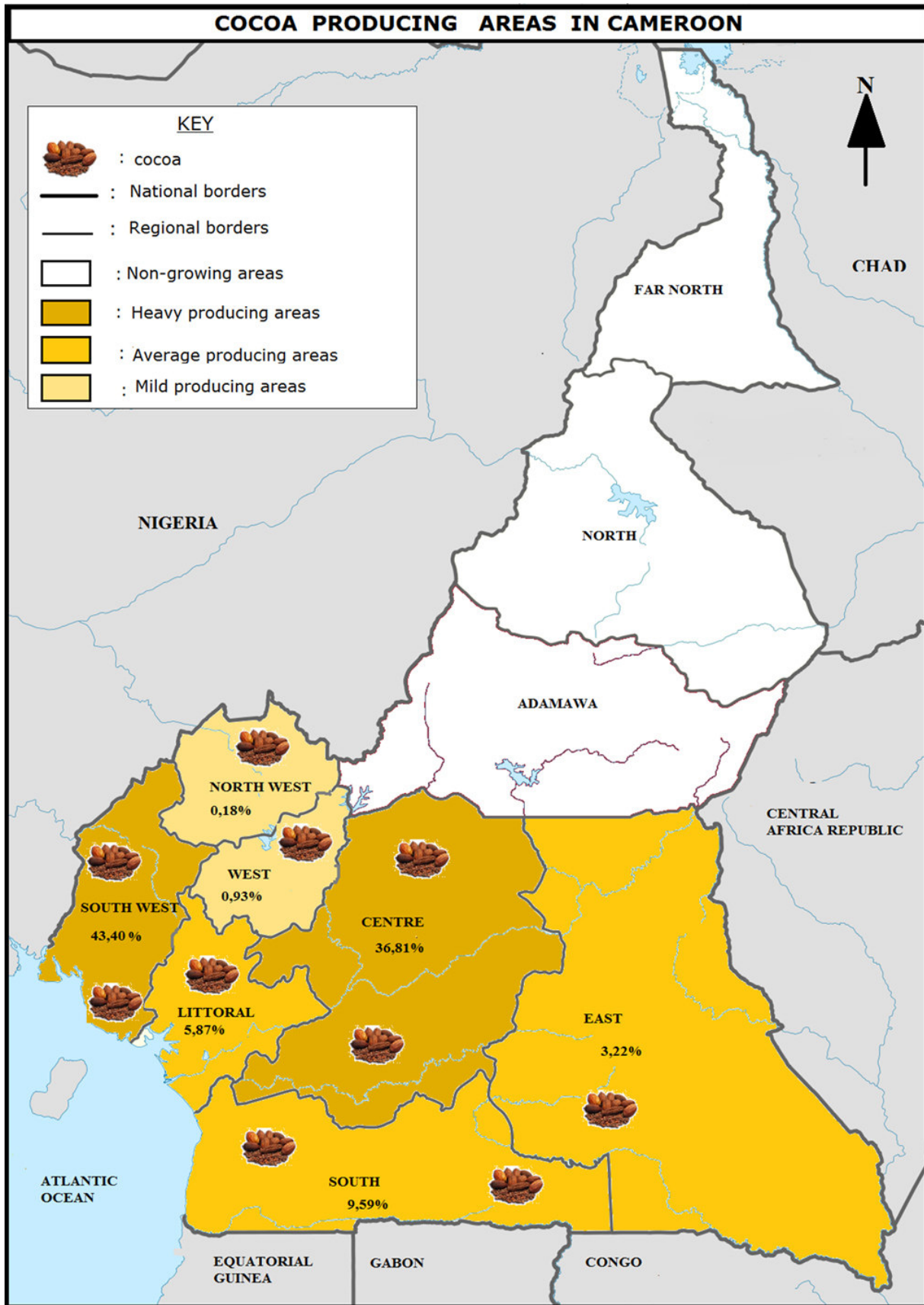
Source: DESA/MINADER; National Cocoa and Coffee Board (national cocoa campaign data)

Note: Marketed production = (Export+local processing+stock of year n) - stock of year n-1.

^{18 e}: Estimate and evaluation

¹⁹ n.a.: Not applicable

MAP 1: COCOA PRODUCTION AREAS IN CAMEROON



Source: National Cocoa and Coffee Board, national cocoa campaign data

TABLE 28: Palm oil production volume (tons)

Region	2016	2017	2018	2019	2020
Adamawa	3,016.0	2,768.0	874.5	1,120.0	785.0
Centre	56,509.0	79,039.0	85,857.0	56,968.0	58,362.9
East	6,911.0	9,630.0	9,500.0	9,468.0	11,859.5
Far-North	n.a. ²⁰	n.a.	n.a.	n.a.	n.a.
Littoral	97,322.0	102,330.0	123,000.0	160,000.0	129,028.2
North	n.a.	n.a.	n.a.	n.a.	n.a.
North-West	43,313.0	48,943.0	54,229.0	32,900.0	55,703.2
West	4,628.0	4,860.0	4,850.0	3,798.0	3,798.0
South	9,622.0	13,075.0	13,075.0	11,806.0	11,694.4
South-West	97,452.0	101,350.0	60,810.0	60,406.0	102,233.7
Total	318,773.0	361,995.0	352,195.5	336,466.0	373,464.9

Source: DESA/MINADER

TABLE 29: Volume of seed cotton production (tons)

	2016	2017	2018	2019	2020
Seed cotton	258,000	248,150	295,100	320,077	336,321
Cotton fibre	91,970	100,877	107,617	131,761	141,381

Source: MINADER, RASPEFIN 2021

TABLE 30: Volume of robusta coffee production (tons)

Region	2016	2017	2018	2019	2020
Adamawa	1,771.3	1,780.3	1,792.6	1,771.1	1,816.6
Centre	951.0	822.0	813.7	842.0	422.0
East	2,407.1	2,411.3	2,405.0	2,403.4	2,423.9
Far-North	n.a.	n.a.	n.a.	n.a.	n.a.
Littoral	8,600.0	8,084.0	8,000.0	7,900.0	7,500.0
North	n.a.	n.a.	n.a.	n.a.	n.a.
North-West	244.0	250.3	184.0	210.0	245.3
West	13,337.9	14,230.9	17,330.3	16,504.0	13,532.8
South	n.a.	n.a.	n.a.	n.a.	n.a.
South-West	4,076.4	4,031.0	4,094.0	4,430.8	3,852.3
Total	31,387.7	31,609.8	34,619.5	34,061.3	29,792.9

Source: DESA/MINADER

TABLE 31: Volume of marketed robusta coffee production (tons)

	2016	2017	2018	2019	2020
Total production	31,387.7	31,609.8	34,619.5	34,061.3	29,792.9
Marketed production	20,139.0	17,877.0	22,815.0	21,500.0	... ²¹

Source: DESA/MINADER; National Cocoa and Coffee Board (national coffee campaign data)

Note: Marketed production = (Export+local processing+stock of year n) - stock of year n-1.

²⁰ n.a.: Not applicable

²¹ ... : Result not available

TABLE 32: Volume of arabica coffee production (tons)

Region	2016	2017	2018	2019	2020
Adamawa	369.0	370.9	373.4	368.9	378.4
Centre	n.a. ²²	n.a.	n.a.	n.a.	n.a.
East	n.a.	n.a.	n.a.	n.a.	n.a.
Far-North	n.a.	n.a.	n.a.	n.a.	n.a.
Littoral	2,168.5 ^{e23}	5,254.1 ^e	1,793.0 ^e	1,375.1 ^e	1,163.5 ^e
North	n.a.	n.a.	n.a.	n.a.	n.a.
North-West	1,669.7	1,430.0	1,440.9	1,343.0	1,251.7
West	2,740.1	3,187.0	2,917.7	3,724.0	3,739.4
South	n.a.	n.a.	n.a.	n.a.	n.a.
South-West	76.7	65.0	40.0	35.0	34.0
Total	7,024.0	10,307.0	6,565.0	6,846.0	6,567.0

Source: DESA/MINADER

TABLE 33: Sweet banana production volume (tons)

Region	2016	2017	2018	2019	2020
Adamawa	1,409.8	1,407.1	1,308.6	1,262.0	1,220.4
Centre	394,403.3	393,645.4	395,015.0	387,115.0	375,071.1
East	163,074.4	162,761.1	164,210.0	164,210.0	161,232.7
Far-North	11.0	11.0	11.0	13.0	16.0
Littoral	151,696.4	151,404.8	145,651.4	195,650.0	153,297.0
North	220.9	329.1	4,117.0	2,040.0	2,342.0
North-West	40,201.8	35,201.0	35,200.0	30,000.0	28,892.8
West	67,072.8	74,652.0	76,683.5	86,462.0	69,630.0
South	94,805.0	95,095.2	97,095.0	79,618.0	77,045.0
South-West	205,583.4	132,233.3	98,071.0	70,498.0	79,428.1
Total	1,118,478.8	1,046,740.0	1,017,362.5	1,016,868.0	948,175.1

Source: DESA/MINADER

Note: This production is made up of industrial production and family production.

TABLE 34: Plantain production volume (tons)

Region	2016	2017	2018	2019	2020
Adamawa	24,560.3	25,126.1	23,367.3	19,198.0	16,134.0
Centre	1,088,061.0	1,113,127.9	1,115,354.1	1,308,586.1	1,316,618.7
East	1,113,397.5	1,139,048.0	1,241,390.0	1,123,607.0	1,153,568.3
Far-North	n.a. ²⁴	n.a.	n.a.	n.a.	n.a.
Littoral	350,085.0	350,900.0	352,000.0	363,000.0	370,000.0
North	n.a.	n.a.	n.a.	n.a.	n.a.
North-West	149,924.5	159,924.0	156,044.0	157,604.0	152,876.3
West	268,047.4	268,047.4	236,665.5	231,345.0	244,243.1
South	764,730.2	782,348.0	891,620.0	838,808.0	872,120.1
South-West	300,536.7	320,536.0	249,426.1	286,840.0	367,724.5
Total	4,059,342.6	4,159,057.4	4,265,867.0	4,328,988.1	4,493,285.0

Source: DESA/MINADER

²² n.a.: Not applicable²³ e: Estimate and evaluation²⁴ n.a.: Not applicable

FIGURE 12: Trends in the national production volumes of industrial and export sectors (tons)



Source: DESA/MINADER

4.2. PRODUCTIVITY OF INDUSTRIAL AND EXPORT PRODUCTS

This part provides information on trends in the productivity of industrial sectors. Productivity was calculated by relating the quantity produced to the surface area cultivated and not the quantity harvested (as a result of the

unavailability of the surface areas harvested by speculation). With regard to overall productivity, calculation was made by relating the national production for the year to the national surface area for the same year.

TABLE 35: Cocoa productivity (tons/hectare)

Region	2016	2017	2018	2019	2020
Adamawa	0.37	0.37	0.38	0.32	0.40
Centre	0.55	0.52	0.47	0.46	0.49
East	0.60	0.60	0.63	0.60	0.66
Far-North	n.a. ²⁵	n.a.	n.a.	n.a.	n.a.
Littoral	0.65	0.65	0.65	0.77	0.78
North	n.a.	n.a.	n.a.	n.a.	n.a.
North-West	2.00	1.46	2.00	2.12	1.40
West	0.90	0.90	0.90	0.90	0.90
South	0.42	0.45	0.38	0.32	0.37
South-West	0.29	0.30	0.46	0.37	0.38
Total	0.40	0.42	0.48	0.45	0.48

Source: DESA/MINADER

TABLE 36: Palm oil productivity (tons/hectare)

Region	2016	2017	2018	2019	2020
Adamawa	2.19	2.82	0.83	7.18	6.04
Centre	2.58	3.19	3.14	2.94	2.65
East	1.95	2.88	2.90	2.50	3.08
Far-North	n.a.	n.a.	n.a.	n.a.	n.a.
Littoral	1.51	1.51	1.79	2.31	2.92
North	n.a.	n.a.	n.a.	n.a.	n.a.
North-West	1.95	1.49	1.44	1.42	1.44
West	1.95	2.89	2.89	0.85	0.85
South	1.95	2.66	2.66	2.54	2.54
South-West	1.95	2.88	2.88	3.20	3.11
Total	1.87	2.11	2.12	2.34	2.48

Source: DESA/MINADER

TABLE 37: Robusta coffee productivity (tons/hectare)

Region	2016	2017	2018	2019	2020
Adamawa	0.50 ^{e26}	0.50	0.60	0.50	0.50
Centre	0.17	0.12	0.14	0.15	0.07
East	0.50 ^e	0.50 ^e	0.49	0.49	0.50
Far-North	n.a.	n.a.	n.a.	n.a.	n.a.
Littoral	0.40	0.40	0.40	0.39	0.36
North	n.a.	n.a.	n.a.	n.a.	n.a.
North-West	2.00	1.91	1.80	1.50	1.80
West	0.44	0.42	0.58	0.65	0.78
South	n.a.	n.a.	n.a.	n.a.	n.a.
South-West	0.52 ^e	0.53	0.51	0.56	0.53
Total	0.43	0.41	0.49	0.50	0.49

Source: DESA/MINADER

²⁵ n.a.: Not applicable

^{26 e}: Estimate and evaluation

TABLE 38: Arabica coffee productivity (tons/hectare)

Region	2016	2017	2018	2019	2020
Adamawa	0.76	0.70	0.68	0.73	0.77
Centre	n.a. ²⁷	n.a.	n.a.	n.a.	n.a.
East	n.a.	n.a.	n.a.	n.a.	n.a.
Far-North	n.a.	n.a.	n.a.	n.a.	n.a.
Littoral	0.71 ^e	0.72 ^e	0.65 ^e	0.63 ^e	0.66 ^e
North	n.a.	n.a.	n.a.	n.a.	n.a.
North-West	0.67	0.69	0.60	0.91	0.96
West	0.71	0.72	0.65	0.63	0.66
South	n.a.	n.a.	n.a.	n.a.	n.a.
South-West	0.86	0.72	0.68	0.50	0.58
Total	0.71	0.71	0.64	0.68	0.71

Source: DESA/MINADER

TABLE 39: Sweet banana productivity (tons/hectare)

Region	2016	2017	2018	2019	2020
Adamawa	15.46	12.00	12.01	12.62	12.23
Centre	18.64	15.46	17.76	17.89	17.89
East	15.46	16.49	16.49	16.49	16.41
Far-North	15.71	11.00	11.00	10.71 ^{e28}	10.85 ^e
Littoral	15.46	11.01	10.54	11.82	11.82
North	15.45	17.32	15.82	15.69	15.90
North-West	15.46	17.30	16.49	14.77	14.54
West	15.46	18.51	18.51	22.00	22.00
South	15.41	17.30	16.49	17.50	17.52
South-West	15.46	16.49	16.49	13.09	13.09
Total	16.45	15.21	15.77	15.82	15.90

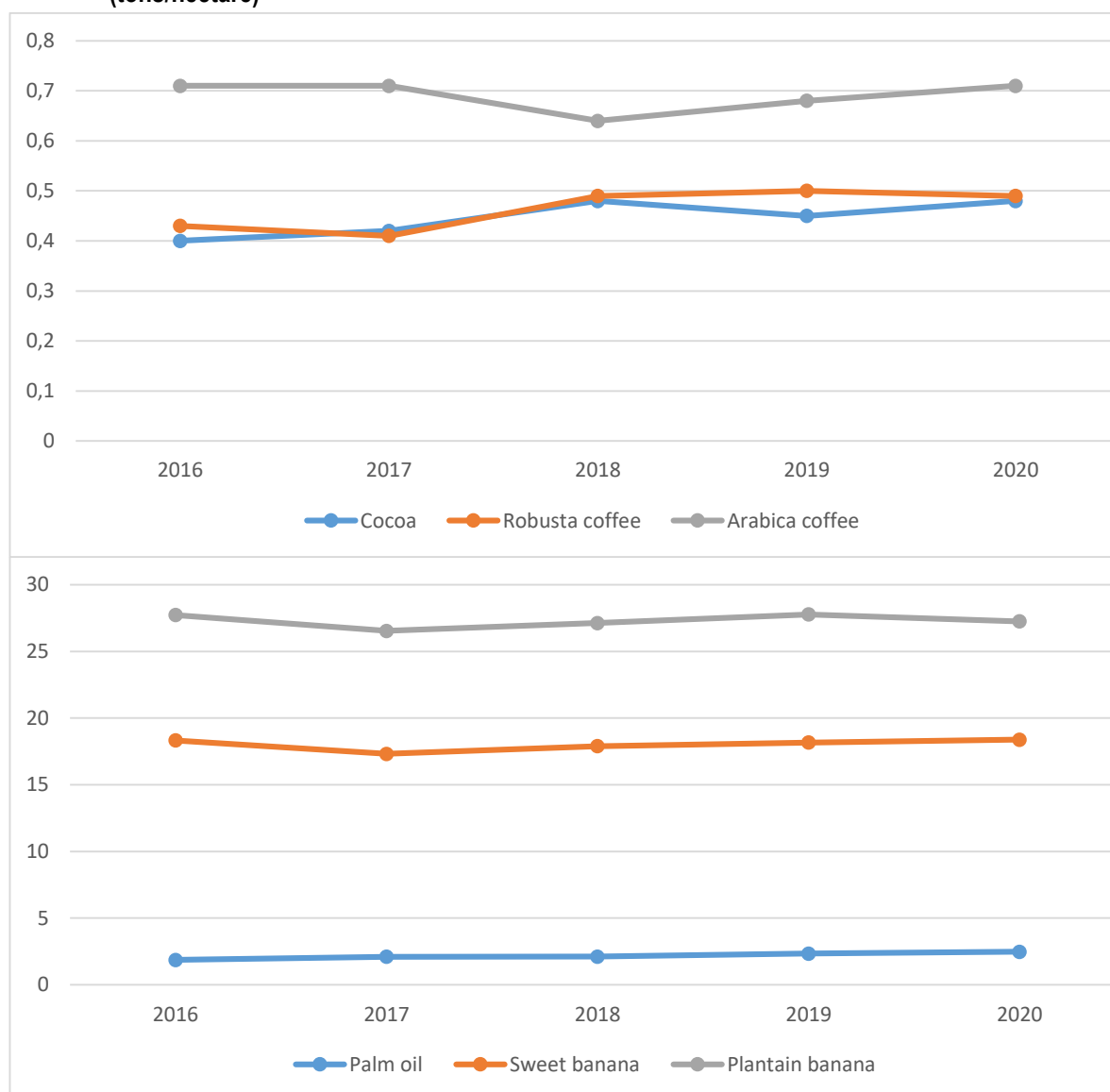
Source: DESA/MINADER

TABLE 40: Plantain productivity (tons/hectare)

Region	2016	2017	2018	2019	2020
Adamawa	12.69	12.00	12.00	12.43	9.54
Centre	5.92	5.92	5.74	7.12	6.27
East	12.69	12.49	12.49	11.32	11.62
Far-North	n.a. ²⁹	n.a.	n.a.	n.a.	n.a.
Littoral	8.54	8.39	8.39	8.25	7.97
North	n.a.	n.a.	n.a.	n.a.	n.a.
North-West	12.69	8.94	10.28	10.37	10.37
West	12.69	13.10	13.10	13.09	11.45
South	12.69	12.19	12.49	12.12	12.60
South-West	12.69	12.49	12.49	14.71	8.40
Total	9.41	9.21	9.23	9.61	8.87

Source: DESA/MINADER

²⁷ n.a.: Not applicable²⁸ e: Estimate and evaluation²⁹ n.a.: Not applicable

FIGURE 13: Annual trends in national productivity of industrial and export sectors (tons/hectare)


Source: DESA/MINADER DESA (Administrative survey for the development of Agristat)

4.3. PRODUCTION OF MAIN EXPORT/IMPORT CROPS (ENTERPRISES) (TONS)

This section is aimed at reporting on enterprise productions by sector and derived products. The main export/import sectors discussed here are: cotton, sugar cane, oil palm, paddy rice, sweet banana and cocoa.

TABLE 41: Volume of cotton derived products of the main agricultural enterprises in Cameroon

Products	2016	2017	2018	2019	2020
Quantity of refined oil produced (in Litre)	6,815,730	8,331,750	10,686,555	10,264,665	...
Quantity of oilseed cake (in tons)	28,909,980	30,501,960	38,890,440	37,639,440	...

Source: DESA/MINADER

TABLE 42: Production volume of sugar cane and derived products of the main agricultural enterprises in Cameroon (tons)

Products	2016	2017	2018	2019	2020
Quantity of sugar cane produced	1,116,984	1,262,509	1,332,900	1,489,622	1,321,072
Quantity of refined sugar	91,934	80,264	91,096	83,773	77,900

Source: DESA/MINADER

TABLE 43: Production volume of palm nuts and derived products of the main agricultural enterprises involved in the oil palm sector (tons)

Products	2016	2017	2018	2019	2020
Nut bunches	664,666 ^P	716,459 ^P	907,971	986,511	733,424 ^P
Palm oil	107,928 ^P	133,354 ^P	153,164	156,874	161,439 ^P

Source: LDPS, SOCAPALM, SAFACAM, NOVAPALM

TABLE 44: Volume of market rice production of the main agricultural enterprises involved in the rice sector in Cameroon (tons)

	2016	2017	2018	2019	2020
Production of irrigated paddy rice (tons)	69,411.14	55,541.14	62,030.45	74,591.44	... ³⁰
Lowland irrigated rice production (tons)	3,219.14	3,132.14	2,495.45	2,372.44	...
Lowland rain-fed rice production (tons)	14,320.05	14,310.19	9,246.44	8,111.12	...
Highland rain-fed rice production (tons)	59.50	63.00	70.00	70.00	...

Source: SEMRY, UNVDA

TABLE 45: Volume of cocoa beans used for processing by product type, by selected agricultural enterprises involved in cocoa processing (tons)

Years	2016	2017	2018	2019	2020
Volume of natural oilseed cake obtained	444	505	544	479	467
Volume of cocoa butter	272	300	306	308	267
Volume of potash meal obtained	844	865	1,055	937	931
Volume of beans in stock	1,403	835	660	791	707
Volume of beans processed	1,828	1,959	2,226	2,021	1,945

Source: DESA/MINADER

TABLE 46: Volume of sweet banana, cocoa beans and palm nuts used for processing in the main agricultural enterprises (tons)

Products	2016	2017	2018	2019	2020
Sweet banana	192,309	183,272	184,809	203,179	184,754
Cocoa	1,828	1,959	2,226	2,021	1,945
Palm nut	450,202	537,805	604,393	626,599	661,247

Source: DESA/MINADER

³⁰ ... : Result not available^P : Provisional data

5. PRODUCTION AND PRODUCTIVITY OF OTHER SECTORS

This part provides information relating to trends in the production and productivity of the other sectors. The sectors were divided into three groups: the other industrial sectors (rubber), legumes (soybean, groundnut, cowpea, beans, sesame, bambara groundnut) and market gardeners (tomato and onion).

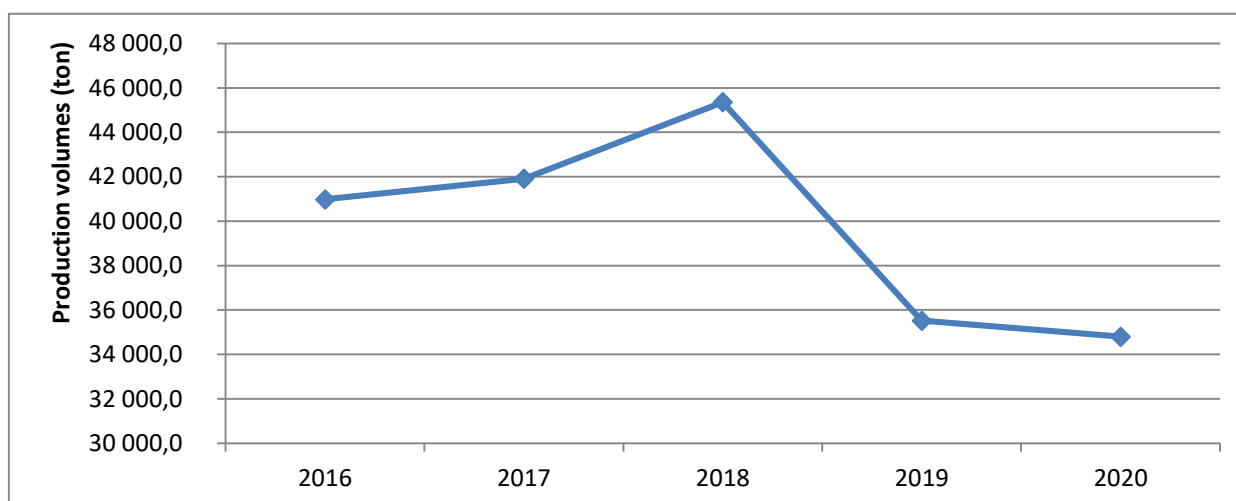
5.1. PRODUCTION OF OTHER SECTORS

This section provides information on trends in the production of the other sectors.

5.1.1. Production of other industrial sectors

This section reports on trends in the production volume of rubber.

FIGURE 14: Annual trends in national rubber production volumes (tons)



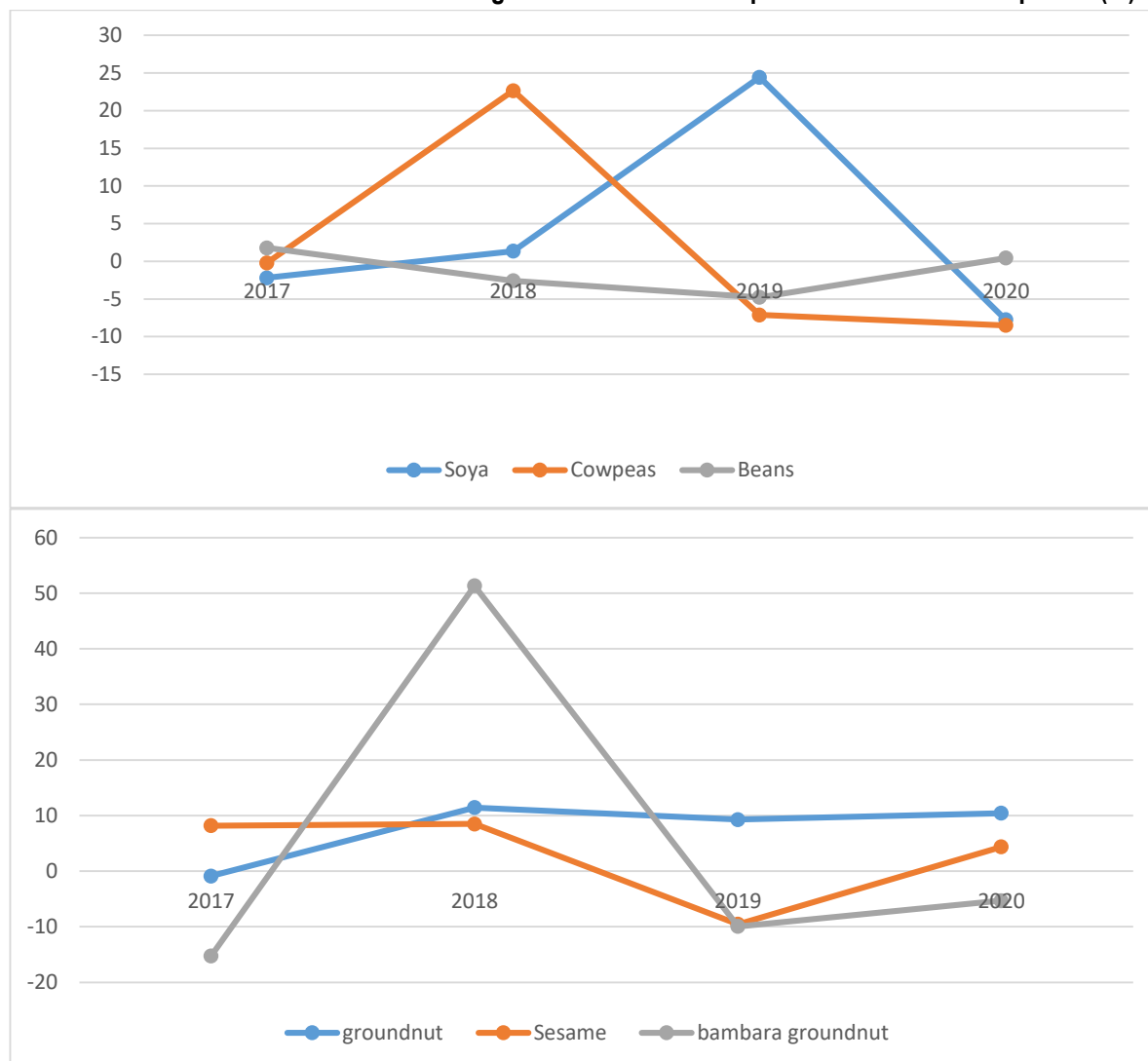
Source: MINADER, RASPEFIN 2021

Note: Exact values of national rubber production volumes are provided in appendix 22.

5.1.2. PULSE PRODUCTION

Information on changes on pulse production is provided below. For the sake of visibility, the figure on trends in the annual average growth rates will be split into two.

FIGURE 15: Trends in the annual growth rate of national production volumes for pulses (%)



Source: DESA/MINADER

TABLE 47: Annual growth rate of national production volumes of the main pulses (%)

	2017	2018	2019	2020
Soybean	-2.19	1.35	24.44	-7.75
Groundnut	-0.86	11.44	9.29	10.44
Cowpea	-0.21	22.65	-7.12	-8.50
Beans	1.79	-2.58	-4.77	0.44
Sesame	8.18	8.49	-9.53	4.37
Bambara groundnut	-15.24	51.32	-9.94	-5.31

Source: DESA/MINADER

TABLE 48: Soybean production volume (tons)

Region	2016	2017	2018	2019	2020
Adamawa	1,186.6	1,625.2	1,910.8	1,770.0	1,926.0
Centre	5,462.3	6,282.0	7,224.3	8,023.4	8,910.9
East	n.a. ³¹	n.a.	n.a.	n.a.	n.a.
Far-North	1,028.9	1,183.3	2,260.1	30,425.0	42,006.4
Littoral	5,282.9	6,075.6	6,150.0	6,753.9	7,417.1
North	118,239.4	112,323.2	112,553.7	121,047.0	98,394.0
North-West	4,222.4	4,437.8	4,664.1	4,654.0	2,196.3
West	7,041.1	7,393.1	6,432.0	3,156.0	1,277.2
South	142.0	150.0	155.0	150.0	162.0
South-West	328.7	340.0	352.0	350.0	376.7
Total	142,934.3	139,810.2	141,702.0	176,329.3	162,666.6

Source: DESA/MINADER

TABLE 49: Groundnut production volume (tons)

Region	2016	2017	2018	2019	2020
Adamawa	10,868.9	11,418.5	11,655.7	13,597.0	16,054.3
Centre	69,397.0	71,327.0	73,000.0	75,519.1	77,776.6
East	125,862.3	134,798.5	138,962.6	134,794.0	137,408.6
Far-North	64,675.5	74,298.5	115,963.0	115,297.0	129,402.0
Littoral	4,309.1	4,658.4	4,937.9	5,234.0	5,433.9
North	282,173.6	245,798.9	267,213.0	338,874.0	397,073.0
North-West	9,154.6	15,562.8	11,983.4	5,418.0	5,159.0
West	4,128.0	4,458.3	5,082.4	8,026.0	8,384.5
South	22,000.0	25,930.0	27,601.0	25,047.0	21,805.4
South-West	8,534.8	7,710.0	7,728.7	4,019.0	3,135.0
Total	601,103.7	595,960.8	664,127.7	725,825.1	801,632.3

Source: DESA/MINADER

TABLE 50: Cowpea production volume (tons)

Region	2016	2017	2018	2019	2020
Adamawa	394.7	301.9	136.65	430.0	471.7
Centre	11,989.2	12,965.0	12,446.4	12,829.1	13,223.6
East	n.a. ³²	n.a.	n.a.	n.a.	n.a.
Far-North	152,279.7	154,673.0	166,206.9	130,758.6	130,629.8
Littoral	899.8	973.1	990.0	1,030.1 ^e	1,078.0
North	28,530.3	24,735.8	57,974.0	75,698.0	56,360.0
North-West	355.6	370.0	385.0	400.6 ^e	416.8
West	86.3	89.0	92.0	82.0	179.8
South	n.a.	n.a.	n.a.	n.a.	n.a.
South-West	694.6	710.0	715.0	700.0	701.9 ^{e33}
Total	195,230.2	194,817.8	238,946.0	221,928.4	203,061.7

Source: DESA/MINADER

³¹ n.a.: Not applicable³² n.a.: Not applicable^{33 e}: Estimate and evaluation

TABLE 51: Bean production volume (tons)

Region	2016	2017	2018	2019	2020
Adamawa	4,875.0	6,424.5	3,358.3	6,259.0	8,234.0
Centre	2,250.0	1,642.0	1,542.0	1,359.5	1,198.6
East	1,356.9	1,428.5	1,557.1	1,850.0	1,999.1
Far-North	49,291.7	51,893.0	52,031.0	52,850.8 ^e	53,683.5 ^e
Littoral	15,456.2	16,272.1	14,759.7	14,900.4 ^e	13,424.0
North	19,054.9	19,422.8	20,051.0	20,449.8	20,856.6
North-West	142,445.0	145,293.9	138,319.8	107,518.0	105,000.0 ^e
West	143,598.3	146,470.3	149,399.7	151,911.0	154,172.3
South	n.a.	n.a.	n.a.	n.a.	135.0
South-West	10,764.4	7,212.1	4,832.1	10,339.0	10,345.0
Total	389,092.4	396,059.2	385,850.7	367,437.5	369,048.1

Source: DESA/MINADER

Note: Beans were popularised in the South region in 2020 by the Chamber of Agriculture, Fisheries, Livestock and Forests (CAPEF).

TABLE 52: Sesame production volume (tons)

Region	2016	2017	2018	2019	2020
Adamawa	3,400.9	3,673.0	3,966.9	3,400.0	3,563.1
Centre	7,935.4	8,490.8	9,085.2	9,010.0	9,547.8
East	14,048.1	15,916.5	18,033.4	14,000.0	14,639.0
Far-North	25,072.4	25,398.3	25,728.5	23,334.0	24,213.8
Littoral	n.a.	n.a.	n.a.	n.a.	n.a.
North	9,704.7	11,286.6	13,126.3	13,719.0	14,152.0
North-West	n.a.	n.a.	n.a.	n.a.	n.a.
West	4,624.7	5,179.7	5,801.3	4,625.0	4,831.4
South	3,635.8	4,072.1	4,560.7	4,561.0	4,874.8
South-West	n.a.	n.a.	n.a.	n.a.	n.a.
Total	68,422.0	74,017.0	80,302.3	72,649.0	75,821.9

Source: DESA/MINADER

TABLE 53: Bamabara groundnut production volume (tons)

Region	2016	2017	2018	2019	2020
Adamawa	0.0	0.0	0.0	50.0	57.2
Centre	1,463.4	1,482.4	1,501.7	1,493.8	1,485.9
East	n.a. ³⁴	n.a.	n.a.	n.a.	n.a.
Far-North	17,962.0	14,484.6	27,949.0	24,649.0	24,000.0
Littoral	2,876.0	3,008.3	3,146.7	3,159.1	3,171.6
North	6,059.7	4,253.0	4,717.0	3,757.0	2,383.5
North-West	3,935.5	4,057.5	4,183.3	4,200.0	4,198.9
West	431.6	456.2	482.2	500.0	505.0
South	n.a.	n.a.	n.a.	n.a.	n.a.
South-West	n.a.	n.a.	n.a.	n.a.	n.a.
Total	32,728.2	27,742.0	41,979.9	37,808.9	35,802.1

Source: DESA/MINADER

Note: Bamabara groundnut in the Adamawa region is produced by agricultural households on an ad-hoc basis depending on the availability of inputs.

³⁴ n.a.: Not applicable

FIGURE 16: Annual trends in national production volumes of the main pulse (tons)

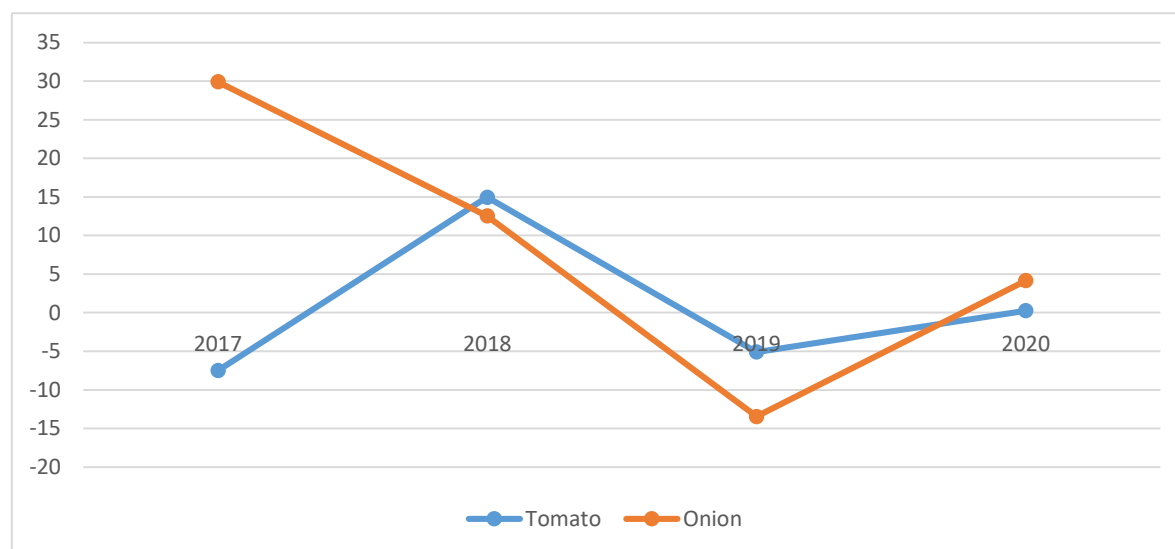


Source: DESA/MINADER

5.1.3. Production of market-garden crops

This section is devoted to information relating to trends in the production of market-garden crops.

FIGURE 17: Trends in the annual growth rate of national production volumes of the main market-garden crops (%)



Source: DESA/MINADER

TABLE 54: Annual growth rate of national production volumes of the main market-garden crops (%)

	2017	2018	2019	2020
Tomato	-7.49	14.96	-5.09	0.26
Onion	29.92	12.53	-13.44	4.15

Source: DESA/MINADER

TABLE 55: Tomato production volume (tons)

Region	2016	2017	2018	2019	2020
Adamawa	3,374.0	4,035.2	3,012.0	4,542.0	3,689.8
Centre	196,450.1	190,159.8	189,579.6	175,214.0	150,000.0
East	6,641.0	6,983.5	7,241.9	7,002.0	7,309.3
Far-North	1,754.7	1,845.2	1,900.5	2,169.0	2,520.8
Littoral	4,569.3	4,805.0	4,837.7	4,978.9 ^{e 35}	5,360.6
North	573.7	2,447.0	3,663.0	3,951.0	6,211.0
North-West	48,497.7	50,115.0	53,488.0	43,488.0	40,000.0
West	814,955.2	733,459.7	880,151.7	846,464.0	874,131.9
South	10,985.0	11,829.1	12,893.7	9,945.0	10,772.3
South-West	3,689.1	4,077.3	4,062.0	4,000.0	4,604.2
Total	1,091,489.8	1,009,756.8	1,160,830.1	1,101,753.9	1,104,599.9

Source: DESA/MINADER

^{35 e}: Estimate and evaluation

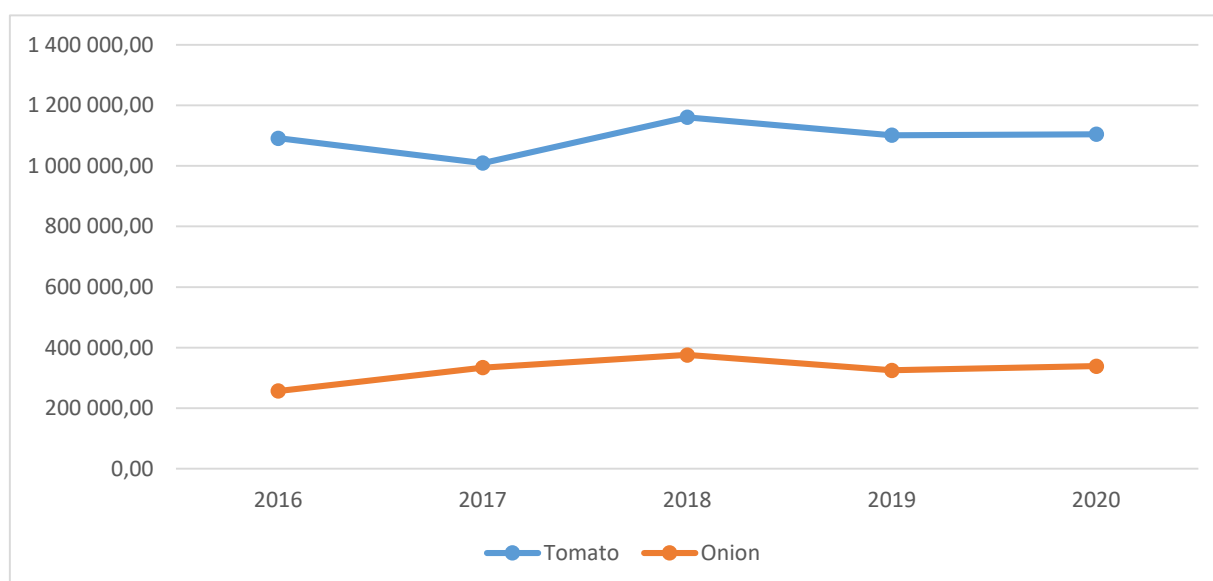
TABLE 56: Onion production volume (tons)

Region	2016	2017	2018	2019	2020
Adamawa	783.1	834.0	888.3	889.0	906.5
Centre	3,960.0	2,240.0	2,524.0	2,381.6	2,247.2
East	559.2	595.6	602.0	624.8 ^{e36}	648.5 ^e
Far-North	213,790.8	277,706.0	305,476.6	253,199.0	252,813.0
Littoral	760.3	809.8	824.0	858.0 ^e	893.5 ^e
North	34,909.1	49,387.3	62,710.0	64,790.0	77,244.1
North-West	514.0	700.0	900.0	937.2 ^e	975.9 ^e
West	121.0	536.6	685.0	607.0	1,980.9
South	994.6	1,021.0	1,033.0	856.0	925.0
South-West	556.9	n.a. ³⁷	n.a.	n.a.	n.a.
Total	256,949.00	333,830.30	375,642.90	325,142.66	338,634.66

Source: DESA/MINADER

Note: Onion production, which was marginal in 2016, was interrupted as from 2017 as a result of the socio-political crisis in the South-West region.

FIGURE 18: Annual trends in national production volumes of the main market-garden crops (tons)



Source: DESA/MINADER

5.2. PRODUCTIVITY OF OTHER SECTORS

5.2.1. PRODUCTIVITY OF PULSES

This section reports on trends in the productivity of pulses. Productivity was calculated by relating the quantity produced to the surface area cultivated and not the quantity harvested (as a result of the unavailability of the surface

³⁶ e: Estimate and evaluation

³⁷ n.a.: Not applicable

areas harvested by speculation). With regard to overall productivity, calculation was made by relating the national production for the year to the national surface area for the same year.

TABLE 57: Soybean productivity (tons/hectare)

Region	2016	2017	2018	2019	2020
Adamawa	1.91	1.76	1.58	1.61	1.22
Centre	1.54	1.27	1.45	1.47	1.49
East	n.a. ³⁸	n.a.	n.a.	n.a.	n.a.
Far-North	1.41	1.86	1.86	1.41	1.79
Littoral	1.41	1.28	1.34	1.34	1.35
North	1.76 ^e	1.78	1.52	1.76	1.59
North-West	1.41	2.00	2.00	2.00	2.00
West	1.41	1.07	1.05	0.74	1.00
South	1.41	1.28	1.34	1.36	2.00
South-West	1.41	1.34	1.34	1.35	1.35
Total	1.69	1.67	1.49	1.62	1.61

Source: DESA/MINADER

TABLE 58: Groundnut productivity (tons/hectare)

Region	2016	2017	2018	2019	2020
Adamawa	0.90	1.00	1.59	1.24	1.33
Centre	1.17	1.16	1.17	1.15	1.12
East	1.50	1.40	1.40	1.32	1.31
Far-North	0.74	0.84	1.19	1.18	1.38
Littoral	1.50	1.42	1.40	1.43	1.43
North	1.56	1.35	1.24	1.59	2.09
North-West	1.50	1.52	1.42	1.04	1.01
West	0.68	1.42	0.62	0.72	1.00
South	1.00	1.64	1.70	1.00	0.86
South-West	1.40	1.40	1.40	0.82	0.77
Total	1.29	1.25	1.27	1.35	1.55

Source: DESA/MINADER

TABLE 59: Cowpea productivity (tons/hectare)

Region	2016	2017	2018	2019	2020
Adamawa	1.52	1.15	1.19	1.34	1.33
Centre	1.25	1.27	1.22	1.30	1.39
East	n.a. ³⁹	n.a.	n.a.	n.a.	n.a.
Far-North	0.38	0.48	0.48	0.41	0.39
Littoral	1.12 ^{e 40}	1.12 ^e	1.12 ^e	1.12 ^e	1.12 ^e
North	0.48	0.37	1.52	1.17	1.01
North-West	1.15 ^e	1.15 ^e	1.15 ^e	1.15 ^e	1.15 ^e
West	1.10 ^e	1.10 ^e	1.10 ^e	1.10 ^e	1.35
South	n.a.	n.a.	n.a.	n.a.	n.a.
South-West	1.12 ^e	1.12 ^e	1.12 ^e	1.12 ^e	1.12 ^e
Total	0.41	0.49	0.60	0.56	0.50

Source: DESA/MINADER

³⁸ n.a.: Not applicable

^e: Estimate and evaluation

³⁹ n.a.: Not applicable

⁴⁰ ^e: Estimate and evaluation

TABLE 60: Bean productivity (tons/hectare)

Region	2016	2017	2018	2019	2020
Adamawa	1.02	1.03	1.34	0.96	1.11
Centre	0.88	0.77	0.91	0.92	0.92
East	1.20	1.28	1.28	1.41	1.47
Far-North	1.20	1.30	1.30	1.32	1.33
Littoral	1.20	1.24	1.28	1.29	1.25
North	1.20	1.24	1.28	1.29	1.29
North-West	1.20	1.24	1.28	1.15	1.12
West	1.20	1.16	1.16	1.21	1.20
South	n.a.	n.a.	n.a.	n.a.	0.60
South-West	1.20	1.28	1.28	2.93	3.21
Total	1.19	1.21	1.23	1.23	1.22

Source: DESA/MINADER

TABLE 61: Sesame productivity (tons/hectare)

Region	2016	2017	2018	2019	2020
Adamawa	1.31	1.41	1.52	1.26	1.24
Centre	1.38	1.42	1.40	1.30	1.29
East	1.31	1.43	1.43	1.03	0.99
Far-North	1.31	1.42	1.42	1.67	1.69
Littoral	n.a. ⁴¹	n.a.	n.a.	n.a.	n.a.
North	2.40	2.61	0.99	0.99	0.99
North-West	n.a.	n.a.	n.a.	n.a.	n.a.
West	1.31	1.31	1.31	1.31	1.31
South	1.31	1.43	1.43	1.43	1.43
South-West	n.a.	n.a.	n.a.	n.a.	n.a.
Total	1.41	1.52	1.32	1.25	1.25

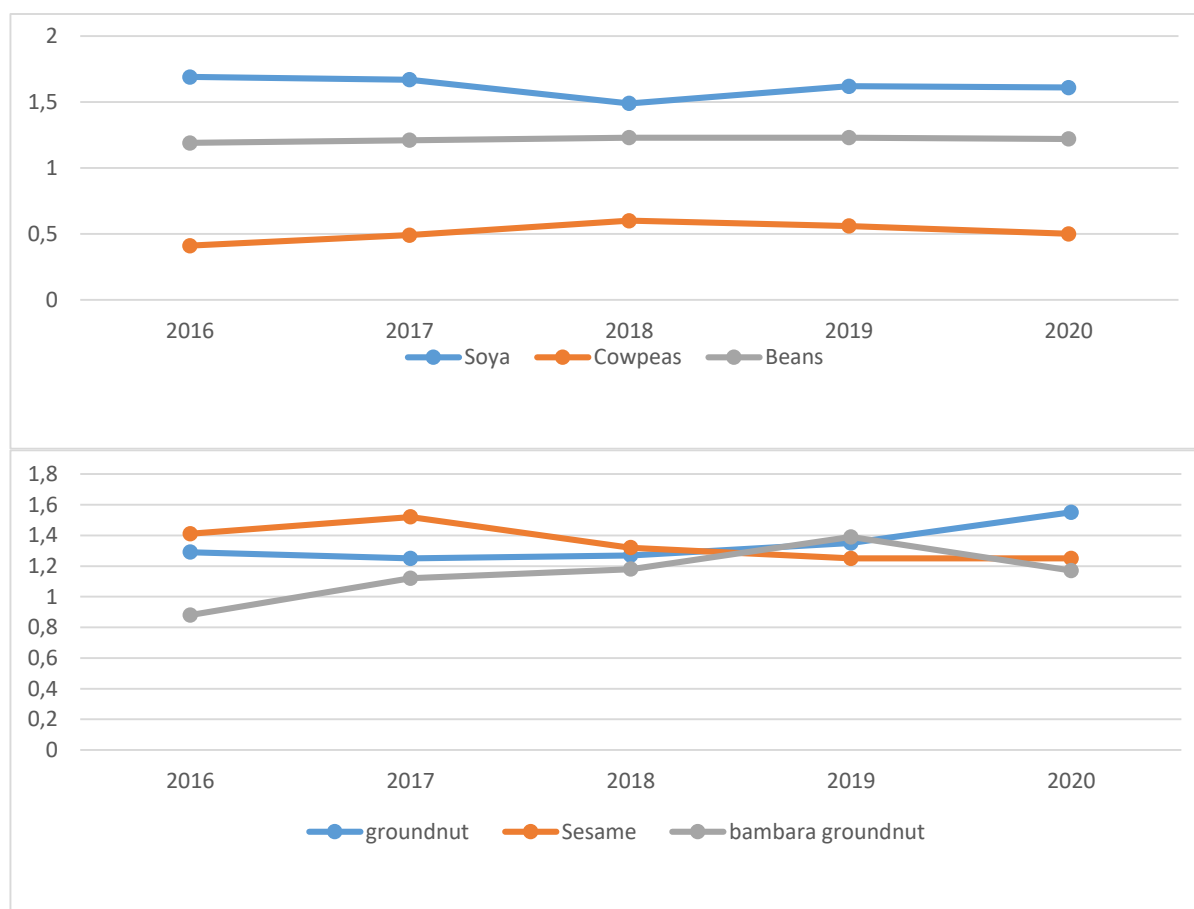
Source: DESA/MINADER

TABLE 62: Bambara groundnut productivity (tons/hectare)

Region	2016	2017	2018	2019	2020
Adamawa	n.a.	n.a.	n.a.	1.28	1.20
Centre	0.83	0.86	0.84	0.84	0.83
East	n.a.	n.a.	n.a.	n.a.	n.a.
Far-North	0.80	1.35	1.35	1.85	1.34
Littoral	0.80	0.86	0.85	0.85	0.85
North	1.43	1.22	1.22	1.04	1.04
North-West	0.80	0.86	0.85	1.05	1.05
West	0.80	0.67	0.67	0.71	0.70
South	n.a.	n.a.	n.a.	n.a.	n.a.
South-West	n.a.	n.a.	n.a.	n.a.	n.a.
Total	0.88	1.12	1.18	1.39	1.17

Source: DESA/MINADER

⁴¹ n.a.: Not applicable

FIGURE 19: Annual trends in national productivity of pulses (tons/hectare)


Source: DESA/MINADER

5.2.2. Productivity of market-garden crops

The section reports on trends in the productivity of market-garden crops. Productivity was calculated by relating the quantity produced to the surface area cultivated and not the quantity harvested (as a result of the unavailability of the surface areas harvested by speculation).

TABLE 63: Tomato productivity (tons/hectare)

Region	2016	2017	2018	2019	2020
Adamawa	9.98	11.09	9.13	11.74	7.95
Centre	21.41	25.31	22.87	24.63	27.97
East	12.76	12.63	12.63	12.22	11.62
Far-North	8.59	9.19	9.19	8.41	7.56
Littoral	12.76	12.05	12.63	12.48 ^{e42}	12.48
North	3.19	9.88	11.73	8.75	5.00
North-West	10.40	11.00	9.94	10.33	10.33
West	18.00	18.00	18.67	18.62	18.32
South	13.00	12.05	12.63	10.25	11.92
South-West	12.76	10.79	12.63	13.33	12.38
Total	17.65	18.05	18.15	18.32	18.01

Source: DESA/MINADER

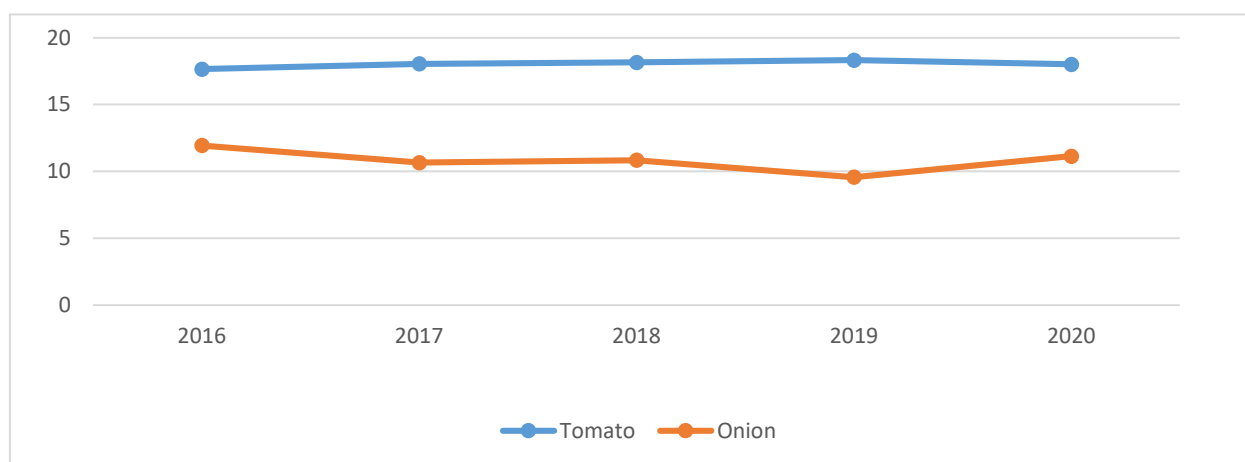
^{42 e}: Estimate and evaluation

TABLE 64: Onion productivity (tons/hectare)

Region	2016	2017	2018	2019	2020
Adamawa	12.12	11.12	11.39	11.55	11.32
Centre	2.82	1.87	2.58	2.05	1.64
East	12.10	13.88	13.90	13.30 ^e	13.30 ^e
Far-North	12.11	10.41	10.41	8.61	10.38
Littoral	12.11	20.09	20.10	17.43 ^e	17.43 ^e
North	17.38 ^e	17.86	17.19	24.65	25.16
North-West	5.71	5.83	6.00	5.85 ^e	5.85 ^e
West	1.50	1.50	2.12	1.50	1.65
South	12.13	12.60	13.96	13.81	13.81
South-West	12.11	n.a.	n.a.	n.a.	n.a.
Total	11.93	10.65	10.83	9.57	11.13

Source: DESA/MINADER

FIGURE 20: Annual trends in national productivity of market-garden crops (tons/hectare)



Source: DESA/MINADER

6. TECHNICAL CAPACITY STRUCTURING AND BUILDING

6.1. SITUATION OF PRODUCER ORGANISATIONS

This section reports on trends in the number of cooperative corporations, CIGs and their umbrella organisations involved in the agricultural sector by type and by area of intervention, over the past few years.

TABLE 65: Number of Agropastoral Producer Organisations (APOs) by category

APOs	2016	2017	2018	2019	2020	Total
COOPCA	209	505	553	584	102	1953
CIGs	438	974	1045	900	575	3932
SCOOPS	65	217	469	497	127	1375
UCOs	0	0	1	4	4	9
UCIGs	1	0	2	8	1	12
Total	713	1,696	2,070	1,993	809	7,281

Source: DDLC/MINADER

Note: It provides information on the number of Agropastoral Producer Organisations in the register of the Ministry of Agriculture and Rural development for all branches of activity combined (agriculture, livestock, etc.).

TABLE 66: Number of Agropastoral Producer Organisations by category in 2020

Region	COOPCA	CIGs	SCOOPS	UCOs	UCIGs	Grand total
Adamawa	174	735	226	4	3	1,142
Centre	405	947	241	0	0	1,593
East	193	191	85	0	0	469
Far-North	111	0	128	0	0	239
Littoral	360	0	56	0	0	416
North	190	952	91	1	9	1,244
North-West	97	0	40	0	0	137
West	238	166	48	2	0	454
South	85	272	351	1	0	709
South-West	100	669	109	1	0	879
Total	1,953	3,932	1,375	9	12	7,281

Source: DDLC/MINADER

TABLE 67: Situation of cooperative corporations, CIGs and their (agricultural and agro-industrial) umbrella organisations created by branch of activity

Branches of activity	COOPCA	CIGs	SCOOPS	UCOs	UCIGs	Grand total
Agriculture	994	2,287	604	2	5	3,892
Oilseed and animal feed industry	3	8	16	0	0	27
Cocoa, coffee, tea and sugar industry	8	5	2	0	0	15
Milk, fruit and vegetables and other products industry	12	12	18	0	0	42
Manufacture of grain products	0	3	0	0	0	3
Production of rubber and manufacture of items	0	2	0	0	0	2
Grand total	1,017	2,317	640	2	5	3,981

Source: DDLC/MINADER

Note: These are Agropastoral Producer Organisations working only in the above-mentioned branches of activity. A more detailed table is provided in Appendix 7

6.2. TRAINING UNDER THE TRAINING SYSTEM OF THE MINISTRY OF AGRICULTURE AND RURAL DEVELOPMENT

This section reports on trends in the number of graduate learners from training institutions under the training system, on the one hand, and the number of training establishments under the training system of the Ministry of Agriculture and Rural Development, on the other hand. It also reports on the proportions of producers using modern agricultural production techniques. Appendices 16, 17, 18 and 19 provide more details on this part.

Technical note:

It should be noted that the "SAT" training course includes three majors, namely agropastoral advisers, agropastoral entrepreneurs and management of cooperative enterprises. In addition, the first agreements in the Centre region were signed with the schools in 2018 and the first batches obtained as from 2020.

TABLE 68: Number of learners trained in training institutions under the training system of the Ministry of Agriculture and Rural Development

Region	2016	2017	2018	2019	2020
Adamawa	n.a.	n.a.	n.a.	n.a.	n.a.
Centre	n.a.	n.a.	n.a.	n.a.	177
East	28	93	81	127	130
Far-North	62	84	133	196	248
Littoral	50	93	82	128	123
North	98	76	207	238	250
North-West	363	441	420	388	419
West	60	175	238	266	304
South	221	173	361	391	538
South-West	144	153	201	165	158
Total	1,026	1,288	1,723	1,899	2,347

Source: DEFACC/MINADER

TABLE 69: Number of learners trained by sex in training institutions under the training system of the Ministry of Agriculture and Rural Development

Region	2016		2017		2018		2019		2020	
	F	M	F	M	F	M	F	M	F	M
Adamawa	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Centre	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	52	125
East	8	20	34	59	23	58	45	82	47	83
Far-North	40	22	58	26	66	67	75	121	101	147
Littoral	23	27	32	61	38	44	49	79	53	70
North	51	47	30	46	71	136	69	169	96	154
North-West	189	174	250	191	222	198	206	182	201	218
West	30	30	74	101	106	132	123	143	143	161
South	97	124	73	100	176	185	204	187	242	296
South-West	53	91	50	103	76	125	76	89	64	94
Total	491	535	601	687	778	945	847	1,052	999	1,348

Source: DEFACC/MINADER

TABLE 70: Number of learners trained by sex in training institutions under the training system of the Ministry of Agriculture and Rural Development in 2016 by type of training

Region	AAT		AT		SAT		SRT	
	F	M	F	M	F	M	F	M
Adamawa	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Centre	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
East	n.a.	n.a.	n.a.	n.a.	8	20	n.a.	n.a.
Far-North	n.a.	n.a.	n.a.	n.a.	40	22	n.a.	n.a.
Littoral	n.a.	n.a.	n.a.	n.a.	23	27	n.a.	n.a.
North	n.a.	n.a.	n.a.	n.a.	51	47	n.a.	n.a.
North-West	n.a.	n.a.	13	15	176	159	n.a.	n.a.
West	n.a.	n.a.	n.a.	n.a.	30	30	n.a.	n.a.
South	n.a.	n.a.	n.a.	n.a.	97	124	n.a.	n.a.
South-West	n.a.	n.a.	n.a.	n.a.	26	24	27	67
Total	///⁴³	///	13	15	451	453	27	67

Source: DEFACC/MINADER

AT: Agricultural Technician/SAT: Senior Agricultural Technician/AAT Assistant Agricultural Technician

SRT: Senior Rural Technician

⁴³ ///: Sum not justified

TABLE 71: Number of learners trained by sex in training institutions under the training system of the Ministry of Agriculture and Rural Development in 2017 by type of training

Region	AAT		AT		SAT		SRT	
	F	M	F	M	F	M	F	M
Adamawa	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Centre	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
East	n.a.	n.a.	9	11	25	48	n.a.	n.a.
Far-North	n.a.	n.a.	35	0	23	26	n.a.	n.a.
Littoral	n.a.	n.a.	8	15	24	46	n.a.	n.a.
North	n.a.	n.a.	... ⁴⁴	...	30	46	n.a.	n.a.
North-West	n.a.	n.a.	26	27	224	164	n.a.	n.a.
West	n.a.	n.a.	14	29	60	72	n.a.	n.a.
South	n.a.	n.a.	5	8	68	92	n.a.	n.a.
South-West	n.a.	n.a.	n.a.	n.a.	21	27	29	76
Total	n.a.	n.a.	///⁴⁵	///	475	521	29	76

Source: DEFACC/MINADER

TABLE 72: Number of learners trained by sex in training institutions under the training system of the Ministry of Agriculture and Rural Development in 2018 by type of training

Region	AAT		AT		SAT		SRT	
	F	M	F	M	F	M	F	M
Adamawa	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Centre	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
East	n.a.	n.a.	5	13	18	45	n.a.	n.a.
Far-North	n.a.	n.a.	24	32	42	35	n.a.	n.a.
Littoral	n.a.	n.a.	14	12	24	32	n.a.	n.a.
North	14	31	4	16	48	74	5	15
North-West	n.a.	n.a.	28	20	194	178	n.a.	n.a.
West	n.a.	n.a.	32	46	74	86	n.a.	n.a.
South	n.a.	n.a.	32	24	144	161	n.a.	n.a.
South-West	n.a.	n.a.	19	12	32	37	25	76
Total	14	31	158	175	576	648	30	91

Source: DEFACC/MINADER

⁴⁴ ...: Result not available⁴⁵ ///: Sum not justified

TABLE 73: Number of learners trained by sex in training institutions under the training system of the Ministry of Agriculture and Rural Development in 2019 by type of training

Region	AAT		AT		SAT		SRT	
	F	M	F	M	F	M	F	M
Adamawa	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Centre	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
East	13	24	15	27	17	31	n.a.	n.a.
Far-North	n.a.	n.a.	34	47	41	74	n.a.	n.a.
Littoral	12	20	16	19	21	40	n.a.	n.a.
North	14	31	4	16	46	92	5	30
North-West	29	14	14	13	163	155	n.a.	n.a.
West	17	33	42	40	64	70	n.a.	n.a.
South	13	12	32	32	159	143	n.a.	n.a.
South-West	n.a.	n.a.	15	9	40	18	21	62
Total	98	134	172	203	551	623	26	92

Source: DEFACC/MINADER

TABLE 74: Number of learners trained by sex in training institutions under the training system of the Ministry of Agriculture and Rural Development in 2020 by type of training

Region	AAT		AT		SAT		SRT	
	F	M	F	M	F	M	F	M
Adamawa	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Centre	n.a.	n.a.	3	12	34	58	15	55
East	14	26	13	27	20	30	n.a.	n.a.
Far-North	12	43	43	52	46	52	n.a.	n.a.
Littoral	15	18	14	20	24	32	n.a.	n.a.
North	42	92	...	...	48	34	10	26
North-West	20	19	20	25	161	174	n.a.	n.a.
West	40	52	42	40	61	69	n.a.	n.a.
South	51	98	41	57	150	141	n.a.	n.a.
South-West	n.a.	n.a.	14	9	30	32	20	53
Total	194	348	///	///	574	622	45	134

Source: DEFACC/MINADER

TABLE 75: Proportion of producers using modern agricultural production techniques (%)

Region	2016	2017	2018	2019	2020
Adamawa	... ⁴⁶	...	...	...	...
Centre	...	...	...	...	...
East	...	...	...	...	...
Far-North	...	...	...	...	...
Littoral	...	...	...	...	...
North	80.0	82.0	83.0	84.0	85.0
North-West	...	...	...	...	...
West	1.0	1.2	1.5	1.6	1.4
South	5.0	7.0	5.0	2.0	4.0
South-West	...	...	...	...	...

Source: DDA/MINADER

Note: For this indicator, producers who have received support in farm management are considered as producers who use modern production techniques.

⁴⁶ ... : Result not available

7. QUALITY CONTROL OF AGRICULTURAL PRODUCTS AND SUPPORT FOR AGRICULTURAL INPUTS

7.1. QUALITY CONTROL OF AGRICULTURAL PRODUCTS

This part reports on trends in the level of certification of agricultural products.

TABLE 76: Proportion of main agricultural products and inputs standardised and labelled in Cameroon (%)

	2016	2017	2018	2019	2020
Main agricultural products	... ⁴⁷	...	...	33	...
Agricultural inputs	...	70	74	...	...

Source: MINADER (Annual Performance Reports)

Note: Data for 2016, 2019 and 2020 are not currently available. For further information, please contact the source.

TABLE 77: Number of regulated inputs

Types of inputs	2016	2017	2018	2019	2020
Pesticides	143	172
Treatment devices	25,777	46,151
Fertiliser	0	91

Source: DRCQ/MINADER

Note: Data from 2016 to 2018 are not currently available, and the statistics in this table are provided at the national level. For further information, please contact the source.

TABLE 78: Number of agricultural inputs produced locally

Types of inputs	2016	2017	2018	2019	2020
Pesticides	0	1
Fertiliser	0	2
Treatment devices	0	0
Seeds

Source: DRCQ/MINADER

Note: This table reports on the number of agricultural inputs produced locally throughout the national territory. Data from 2016 to 2018 and disaggregation by region are not currently available. For any further information, please contact the source.

TABLE 79: Number of seed farms in 2018 and 2019

Years	Number of existing seed farms	Number of functional seed farms	Number of non-functional seed farms	Number of seed farms under renovation
2018	47	15	32	7
2019	47	15	32	14

Source: DDA/MINADER

⁴⁷ ... Result not available

TABLE 80: Number of certified seed enterprises in 2019

Region	Maize	Rice	Sorghum/millet	Cassava	Potato	Plantain tree	Cocoa	Coffee	Onion	Groundnut	Oil palm tree
Adamawa	12	0	0	0	1	0	0	0	0	0	0
Centre	33	0	0	27	0	18	14	0	0	0	0
East	6	0	0	0	0	1	7	0	0	0	3
Far-North	22	3	22	0	0	0	0	0	0	3	0
Littoral	3	0	0	12	0	6	7	0	0	0	0
North-West	18	2	0	0	0	1	0	0	0	0	0
North	14	3	2	0	0	0	0	0	0	1	0
West	27	0	0	0	2	9	0	0	0	0	0
South	5	0	0	12	0	6	3	0	0	0	1
South-West	0	0	0	0	0	0	0	0	0	0	0
Total	140	8	24	51	3	50	31	0	0	4	4

Source: DDA/MINADER

7.2. AGRICULTURAL INPUT SUPPORT

This section highlights the support of the Ministry of Agriculture and Rural Development and structures under its supervisory authority in agricultural inputs.

7.2.1. Quantity of seeds by sector distributed by the Ministry of Agriculture and Rural Development

CEREAL SECTOR

TABLE 81: Quantity of maize seeds (tons) distributed

Region	2017	2018	2019	2020
Adamawa	68.6	56.5	55.1	73.3
Centre	75.5	... ⁴⁸	53.5	...
East	...	...	18.0	...
Far-North	23.0	35.9	...	...
Littoral	...	25.0	18.0	11.5
North	...	...	...	...
North-West	275.1	431	86.5	...
West	30.7	32.0	31.2	5.3
South	...	...	10.9	53.0
South-West	0.0	...	54.8	...
Total	///	///	///	///

Source: DESA/MINADER

⁴⁸ ... Result not available

TABLE 82: Quantity of rice seeds (tons) distributed

Region	2016	2017	2018	2019	2020
Adamawa	...	0.0	0.0	0.0	0.0
Centre	...	0.0	...	6.0	...
East	0.0	...
Far-North	...	10.4	40.6	...	...
Littoral	0.0	0.0	0.0
North
North-West	...	59.2	57.7	30.4	0.0
West	...	0.7	0.1	0.0	0.0
South	4.9	2.8
South-West	...	0.0	...	...	...
Total	///	///	///	///	///

Source: DESA/MINADER

ROOTS AND TUBERS SECTOR

TABLE 83: Number of cassava cuttings distributed

Region	2016	2017	2018	2019	2020
Adamawa	...	0.0	60,000.0	494,000.0	822,000.0
Centre	...	1,776,000.0	... ⁴⁹	0.0	...
East	0.0	...
Far-North	...	0.0	0.0	...	...
Littoral	290,000.0	360,000.0	991,000.0
North
North-West	...	33,000.0	70,000.0	0.0	0.0
West	...	0.0	0.0	150,000.0	0.0
South	347,500.0	260,000.0
South-West	...	0.0	...	...	...
Total	///	///	///	///	///⁵⁰

Source: DESA/MINADER

TABLE 84: Quantity of potato seeds (tons) distributed

Region	2016	2017	2018	2019	2020
Adamawa	...	9.0	27.0	60.5	2.0
Centre	...	23.8	...	1.0	...
East	...	n.a.	n.a.	n.a.	n.a.
Far-North	...	0.0	0.0	...	...
Littoral	0.0	0.0	0.0
North
North-West	...	75,129.9	6,889.9	4,891.6	0.0
West	...	10.6	28.3	42.4	6.9
South	27.0	0.0	0.0
South-West	...	0.0	...	...	...
Total	///	///	///	///	///

Source: DESA/MINADER

49 ... Result not available

50 /// Sum not justified

TABLE 85: Quantity of cocoyam/taro seeds (tons) distributed

Region	2016	2017	2018	2019	2020
Adamawa	...	0	0	0	0
Centre	...	0	...	140,000	...
East	0	...
Far-North	...	0	0	...	...
Littoral	0	0	0
North
North-West	...	209	0	0	0
West	...	0	0	0	0
South	0	0
South-West	...	0	...	0	...
Total	///	///	///	///	///

Source: DESA/MINADER

TABLE 86: Number of sweet potatoes cuttings distributed

Region	2016	2017	2018	2019	2020
Adamawa	...	0	0	0	0
Centre	...	0	... ⁵¹	0	...
East	0	...
Far-North	...	0	0	...	...
Littoral	0	0	0
North
North-West	...	12,790,000	13,361,000	0	0
West	...	0	0	0	0
South	0	0
South-West	...	0	...	...	...
Total	///	///	///	///	///⁵²

Source: DESA/MINADER

TABLE 87: Quantity of yam seeds (tons) distributed

Region	2016	2017	2018	2019	2020
Adamawa	25	3.25	0
Centre	0	...
East	0	...
Far-North	...	n.a.	n.a. ⁵³	n.a.	n.a.
Littoral	0	0	0
North
North-West	...	15,331,450.0	15,684,500	0	0
West	...	0	0	0	0
South	0	0
South-West	...	0	...	...	...
Total	///	///	///	///	///

Source: DESA/MINADER

INDUSTRIAL SECTORS

⁵¹ ... Result not available⁵² /// Sum not justified⁵³ n.a Not applicable

TABLE 88: Quantity of cocoa seedlings (number) distributed

Region	2016	2017	2018	2019	2020
Adamawa	...	63,000	30,000	55,000	... ⁵⁴
Centre	...	4,512,100	...	4,583,100	...
East	22,500	...
Far-North	...	n.a.	n.a.	n.a.	n.a.
Littoral	410,000	361,100	604,500
North	...	n.a.	n.a.	n.a.	n.a.
North-West	...	8,010	8,200	0	0
West	...	129,000	250,000	69,550	...
South	1,321,639	1,071,567
South-West
Total	///	///	///	///	///

Source: DESA/MINADER

TABLE 89: Quantity of arabica coffee seedlings (number) distributed

Region	2016	2017	2018	2019	2020
Adamawa	...	30,000	... ⁸¹	...	...
Centre	...	n.a.	n.a.	n.a.	n.a.
East	...	n.a.	n.a.	n.a.	n.a.
Far-North	...	n.a.	n.a.	n.a.	n.a.
Littoral	...	410,000	...	...	...
North	...	n.a.	n.a.	n.a.	n.a.
North-West	...	368,100	2,381 000	591,535	...
West	...	18,850	175,000	1,750,940	...
South	...	n.a.	n.a.	n.a.	n.a.
South-West
Total	///	///	///	///	///

Source: DESA/MINADER

TABLE 90: Quantity of robusta coffee seedlings (number) distributed

Region	2016	2017	2018	2019	2020
Adamawa	...	n.a.	n.a.	n.a.	n.a.
Centre	...	0	...	0	...
East	125,000	...
Far-North	...	n.a.	n.a.	n.a.	n.a.
Littoral	...	0	14,500	0	0
North	...	n.a.	n.a.	n.a.	n.a.
North-West	...	31,000	0	0	0
West	...	47,000	90,500	167,800	0
South	...	n.a.	n.a.	n.a.	n.a.
South-West	...	41,000	...	...	...
Total	///	///	///	///	///

Source: DESA/MINADER

⁵⁴ ... Result not available

TABLE 91: Quantity of oil palm seedlings (number) distributed

Region	2016	2017	2018	2019	2020
Adamawa	...	n.a. ⁵⁵	n.a.	n.a.	n.a.
Centre ⁵⁶	...	...	...
East
Far-North	...	n.a.	n.a.	n.a.	n.a.
Littoral	71,700	...	27,000
North	...	n.a.	n.a.	n.a.	n.a.
North-West	...	26,000	42,271	250,000	0
West	...	0	0	0	0
South	10,000
South-West
Total	///	///	///	///	///

Source: DESA/MINADER

TABLE 92: Quantity of plantain seedlings (number) distributed

Region	2016	2017	2018	2019	2020
Adamawa	...	30,000	10,000	...	...
Centre	...	1,281,350	...	17,500	...
East
Far-North	...	n.a.	n.a.	n.a.	n.a.
Littoral	58,875	17,500	59,000
North	...	n.a.	n.a.	n.a.	n.a.
North-West	...	2,316,726	26,368,352	307,040	262,328
West	13,000	...
South	190,400	...
South-West
Total	///	///	///	///	///

Source: DESA/MINADER

MARKET GARDENING SECTORS

TABLE 93: Quantity of tomato seeds (tons) distributed

Region	2016	2017	2018	2019	2020
Adamawa	...	0.0	0.75	0.0	0.0
Centre	...	0.0	...	0.0	...
East	0.0	...
Far-North	...	0.0	0.0	...	...
Littoral	0.0	0.0	0.0
North
North-West	...	24.84	0.0	0.0	0.0
West	...	0.0	0.0	1.60	0.0
South	0.0	0.0
South-West	...	0.0	...	...	...
Total	///	///	///	///	///

Source: DESA/MINADER

⁵⁵ n.a.: Not applicable⁵⁶ ... Result not available

TABLE 94: Quantity of groundnut seeds (tons) distributed

Region	2016	2017	2018	2019	2020
Adamawa	...	0.00	... ⁵⁷	0.50	15.80
Centre	...	0.00	...	0.00	...
East	0.00	...
Far-North	...	0.00	...	...	...
Littoral	0.00	0.00	0.00
North
North-West	...	34.70	40.90	0.00	0.00
West	...	0.00	0.00	0.00	0.00
South	0.00	0.00
South-West	...	0.00	...	...	...
Total	///	///⁵⁸	///	///	///

Source: DESA/MINADER

TABLE 95: Quantity of bean seeds (tons) distributed

Region	2016	2017	2018	2019	2020
Adamawa	...	0.00	0.75	0.24	4.80
Centre	...	0.00	...	0.25	...
East	0.00	...
Far-North	...	0.00	0.00	...	...
Littoral	0.00	0.00	0.00
North
North-West	...	618.60	518.60	5,035.70	0.00
West	...	0.45	1.10	0.00	1.00
South	...	0.00	0.00	0.15	0.04
South-West	...	0.00	...	...	...
Total	///	///	///	///	///

Source: DESA/MINADER

7.2.2. QUANTITY OF FERTILISERS AND PHYTOSANITARY PRODUCTS DISTRIBUTED

Quantities of fertilisers and phytosanitary products (fungicides, herbicides, insecticides) distributed by the Ministry of Agriculture and Rural Development and the projects/programmes under this ministry are significant. Data for 2016, 2017 and 2020 are not currently available.

⁵⁷ ... Result not available

⁵⁸ ///: Sum not justified

TABLE 96: Quantity of fertilisers distributed by the Ministry of Agriculture and Rural Development in 2018

Region	Fertiliser	Unit	Quantity of fertilisers distributed	Number of beneficiaries	
Adamawa	Cocoa-coffee foliar fertiliser	Litre	1,300	... ⁵⁹	
	NPK + Urea	Kg	19,200	142	
East	Foliar fertiliser	Kg	55,000	232	
	NPK (20-10-10)	Kg	300	40	
	Urea 65%	Kg	200	40	
Far-North	NPK fertiliser	Kg	48,250	745	
	NPK	Kg	560	75	
	Urea	Kg	20,530	820	
Littoral	14.23.14	Kg	750	...	
	20/10/2010	Kg	60,000	...	
North	Humic foliar fertiliser	Litre	2,450	...	
	Special cocoa fertiliser	Kg	6,000	...	
	NPK and Urea	Kg	61,000	...	
	Special coffee fertiliser	Litre	2,450	...	
	Special oil palm fertiliser	Kg	800,000	...	
	Foliar fertiliser	Litre	6	300	
	NPKBS	Kg	7,100	300	
	Growth regulator	Litre	4	300	
	West	Special coffee fertiliser	Kg	60,000	...
		fertiliser 14-23-14 (50kg bag)	Kg	10,000	...
fertiliser 20-10-10 (50kg bag)		Kg	10,000	...	
Foliar fertiliser		Litre	40	...	
Urea fertiliser (50kg bag)		Kg	10,000	...	
South	Foliar	Litre	3,500	831	
	Humic (Soil Conditioner)	Litre	1,700	...	
	20 10 10	Kg	950	...	
	Urea	Kg	500	...	

Source: DESA/MINADER

TABLE 97: Quantity of fertilisers distributed by the Ministry of Agriculture and Rural Development in 2019

Region	Fertiliser	Unit	Quantity of fertilisers distributed	Number of beneficiaries
Adamawa	NPK + Urea	Kg	19,200	142
Centre	Cocoa fertiliser	Kg	45,000	... ⁶⁰
	Foliar fertiliser	Litre	1,450	20
East	Mineral fertiliser	Kg	15	...
	Organic fertiliser	Kg	10	...
	Foliar fertiliser	Litre	4,950	29
	NPK (20-10-10)	Kg	400	50
Far-North	Urea 65%	Kg	100	4
	NPK fertiliser	Kg	4,600	403
	Urea	Kg	1,600	185
Littoral	Coffee fertiliser	Litre	9,200	...
	Special cocoa fertiliser	Litre	1,480	...
	Special coffee fertiliser	Litre	2,450	...
North	Foliar fertiliser	Litre	6	300
	NPKBS	Kg	7,100	300
	Growth regulator	Litre	4	300
North-West	Agri-dyke	Kg	34	440

⁵⁹ ... Result not available⁶⁰ ... Result not available

	Humic Plus	Litre	730	654
	NPK 20 10 10	Kg	18,322	640
	Urea	Kg	2,999	440
West	Fertiliser	Litre	6,700	...
	Foliar fertiliser	Litre	20	...
	Foliar fertiliser: HUMIC Plu	Litre	2,027	700
	Humic (Soil Conditioner)	Litre	2,950	...
	Insecticide	Litre	4,500	...
South	Foliar fertiliser	Litre	120	31
	Fosnutren	Litre	534	31
	Humiforte	Litre	802	31
	NPK	Kg	200	...
	Urea	Kg	50	...
South-West	Folia	Litre	6,482	150
	Fosnutren	Litre	765	56
	Humic Plus	Litre	1,560	312
	Humiforte	Litre	1,147	56

Source: DESA/MINADER

TABLE 98. Quantity of fertilisers distributed by the Ministry of Agriculture and Rural Development

Region	Unit	2016	2017	2018	2019	2020
Adamawa	Litre	...	...	258	300	...
	Kg	... ⁶¹	...	...	30	...
Centre	Sachet	...	...	...	...	...
	Litre	...	...	...	6,900	...
	Kg	...	...	41,450	51,300	...
East	Sachet	...	...	24,700	9,413	...
	Litre	...	...	2,000	2,000	...
	Kg	...	...	...	...	...
Far-North	Sachet	...	...	...	...	...
	Litre	...	...	9	...	...
	Kg	...	...	...	...	...
Littoral	Sachet	...	...	...	...	...
	Litre	...	...	...	...	...
	Kg	...	...	...	...	...
North	Sachet	...	...	60,000	54,500	...
	Litre	...	...	...	...	...
	Kg	...	...	...	...	...
North-West	Sachet	...	...	...	...	...
	Litre	...	...	...	...	...
	Kg	...	...	2,620	220	...
West	Sachet	...	...	...	...	...
	Litre	...	...	12,850	32,245	...
	Kg	...	...	13910	0	...
South	Sachet	...	...	22,990	20,910	...
	Litre	...	...	15,600	54,000	...
	Kg	...	...	29,055	35,992	...
South-West	Sachet	...	...	...	...	...
	Litre	...	...	...	...	...
	Kg	...	...	...	6,000	...
	Sachet	...	...	...	...	...

Source: DESA/MINADER

⁶¹ ... Result not available

TABLE 99: Quantity of herbicides distributed by the Ministry of Agriculture and Rural Development

Region	Unit	2016	2017	2018	2019	2020
Adamawa	Kg	...	...	1,184	1,184	...
	Litre	...	...	...	...	...
Centre	Kg	...	...	...	...	...
	Litre	...	...	252	16,057	...
Far-North	Kg	...	...	...	...	...
	Litre	...	...	50	...	...
Littoral	Kg	...	...	...	...	...
	Litre	...	...	...	336	...
North-West	Kg	...	...	...	...	...
	Litre	...	...	36	36	...
West	Kg	...	...	...	...	...
	Litre	...	...	200	686	...
South-West	Kg	...	...	...	...	...
	Litre	...	...	660,516	192	...

Source: DESA/MINADER

TABLE 100: Quantity of insecticides distributed by the Ministry of Agriculture and Rural Development

Region	Unit	2016	2017	2018	2019	2020
Adamawa	Kg	...	...	0	0	...
	Litre	...	...	0	242	...
Centre	Kg	...	...	0	0	...
	Litre	...	...	24,469	12,910	...
East	Kg	...	...	0	8	...
	Litre	...	...	72	0	...
Far-North	Kg	...	...	0	0	...
	Litre	...	...	80	0	...
Littoral	Kg	...	...	0	0	...
	Litre	...	...	2,960	2,362	...
North	Kg	...	...	0	0	...
	Litre	...	...	4	1,868	...
North-West	Kg	...	...	0	0	...
	Litre	...	...	132	456	...
West	Kg	...	...	0	0	...
	Litre	...	...	462	1,738	...
South	Kg	...	...	3,606	2,756	...
	Litre	...	...	0	0	...
South-West	Kg	...	...	0	0	...
	Litre	...	...	0	716	...

Source: DESA/MINADER

7.3. MEDIUM-SIZED AND LARGE FARMS

TABLE 101: Number of medium-sized farms in strategic sectors

Region	2016	2017	2018	2019	2020
Adamawa	...	...	...	...	...
Centre	... ⁶²	...	...	...	...
East	...	...	...	...	...
Far-North	...	...	...	...	...
Littoral	...	...	...	...	...
North	1,882	1,980	2,086	2,196	2,312
North-West	...	...	...	...	...
West	7,800	8,250	8,625	9,375	11,055
South	378	449	473	501	548
South-West	...	...	...	...	...
Total	///⁶³	///	///	///	///

Source: DDA

TABLE 102: Number of large farms in strategic sectors

Region	2016	2017	2018	2019	2020
Adamawa	...	...	...	...	...
Centre	...	...	...	...	...
East	...	...	...	...	...
Far-North	...	...	...	...	...
Littoral	...	...	...	...	...
North	16	18	20	22	25
North-West	...	...	...	...	...
West	2,600	2,750	2,875	3,125	3,685
South	27	27	30	31	34
South-West	...	...	...	...	...
Total	///⁶⁴	///	///	///	///

Source: DDA

⁶² ... Result not available⁶³ ///: Sum not justified⁶⁴ ///: Sum not justified

CHAPTER 3: INFRASTRUCTURAL ENVIRONMENT AND ACCESS TO FACTORS OF PRODUCTION AND MARKETS

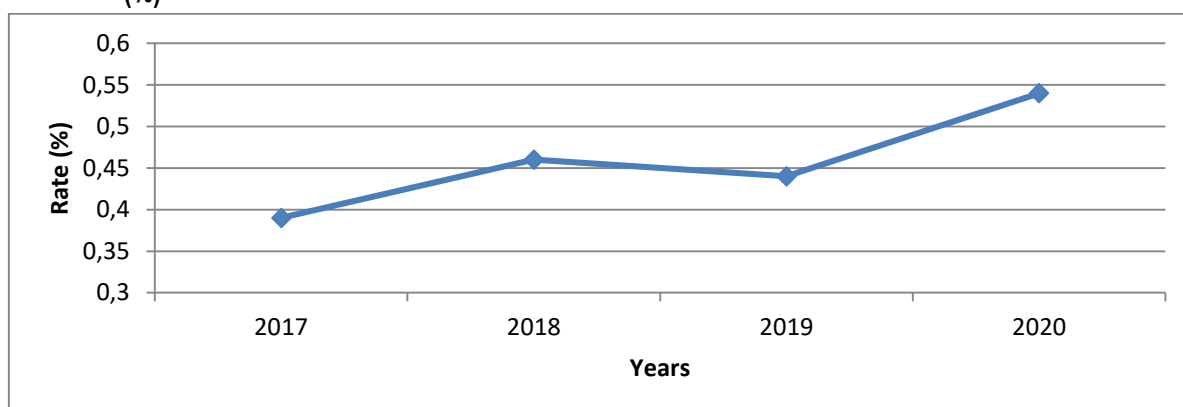
This chapter reports on trends in the level of access to production infrastructure and agricultural equipment in rural areas in recent years.

More specifically, it provides information on:

- availability of agricultural production equipment and materials;
- availability to socio-economic and community infrastructure in rural areas;
- servicing and sustainable harnessing of the potential of developable and irrigable land in Cameroon;
- accessibility to agricultural financing by producers.

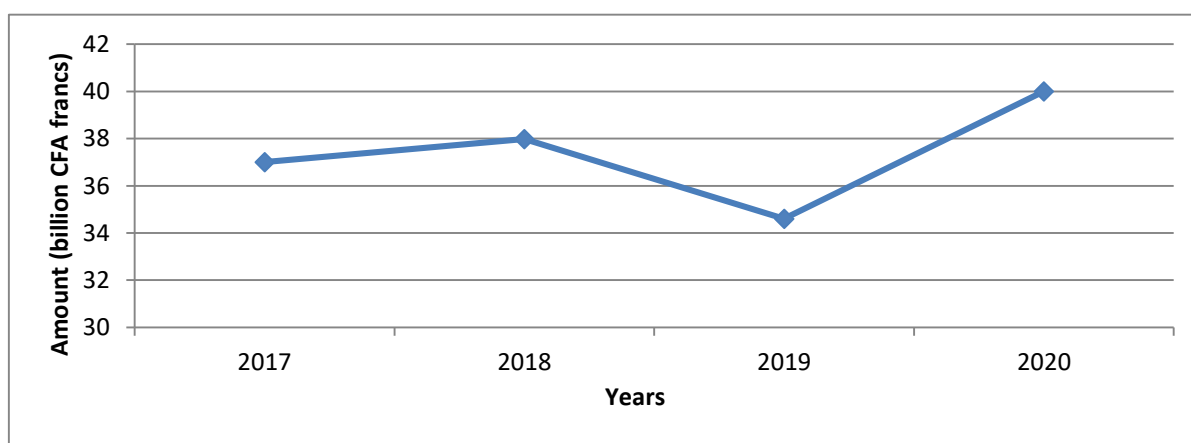
1. FOCUS ON THE MAIN INDICATORS OF THE CHAPTER

FIGURE 21: Annual trends in the number of tillers and tractors per 1,000 hectares in Cameroon (%)

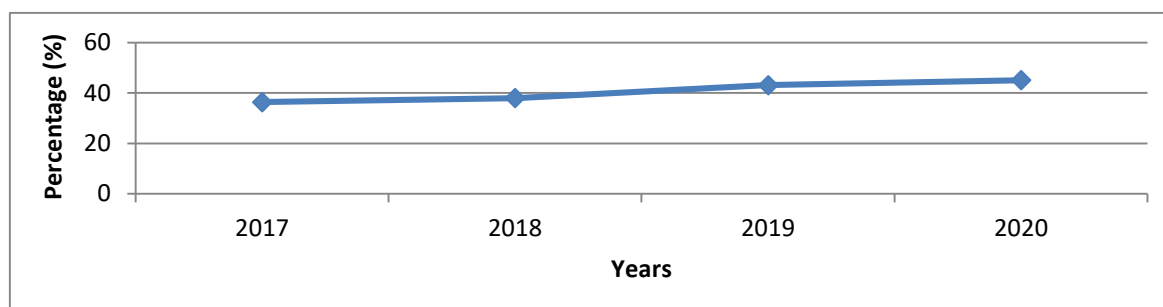


Source: MINADER (Annual Performance Reports)

FIGURE 22: Annual trends in the volume of financing injected into small and medium-sized farms in Cameroon (billion CFA francs)



Source: MINADER (Annual Performance Reports)

FIGURE 23: Annual trends in the percentage of farms (small and medium-sized) which were allocated subsidies and/or credits in Cameroon (%)

Source: MINADER (Annual Performance Reports)

TABLE 103: Value of the main indicators of the chapter

	2017	2018	2019	2020
Rate of agricultural mechanisation in Cameroon (%)	0.39	0.46	0.44	0.54
Volume of financing injected into small and medium-sized farms in Cameroon (billion CFA francs)	37.00	37.98	34.60	40.00
Percentage of farms (small and medium-sized) having received subsidies and/or credits in Cameroon (%)	36.40	37.98	43.11	45.11

Source: MINADER (Annual Performance Reports)

2. AGRICULTURAL EQUIPMENT AND MATERIALS

TABLE 104: Number of material/equipment available in 2018 and 2019

Region	Years	Equipment			
		Tractors	Dryers	Storage unit	Combine harvesters
Adamawa	2018	27	12	18	1
	2019	21	15	18	1
Centre	2018	6	3	4	3
	2019	13	3	4	2
East	2018	5	16	35	0
	2019	5	17	35	0
Far-North	2018	60	13	111	0
	2019	63	13	126	0
Littoral	2018	20	1	30	0
	2019	54	1	42	39
North	2018	19	0	63	0
	2019	36	0	72	0
North-West	2018	48	23	2	12
	2019	48	22	2	12
West	2018	46	2	53	0
	2019	44	2	61	0
South	2018	9	7	1	1
	2019	7	30	1	...
South-West	2018	...	...	...	...
	2019	...	...	...	...
Total	2018	///	///	///	///
	2019	/// ⁶⁵	///	///	///

Source: DESA/MINADER

⁶⁵ ///: Sum not justified

3. SOCIO-ECONOMIC AND COMMUNITY INFRASTRUCTURE IN RURAL AREAS

TABLE 105: Situation of Centres for Education and Community Action in 2019

Regions	Number of Centres for Education and Community Action	Number of Centres for Education and Community Action built	Number of Centres for Education and Community Action not built	Number of Centres for Education and Community Action staffed	Number of Centres for Education and Community Action not staffed
Adamawa	21	5	16	19	2
Centre	55 ^P	13 ^P	42 ^P	38 ^P	17 ^P
East	31	5	24	30	-
Far-North	47	15	32	38	9
Littoral	30	4	26	30	-
North	19	4	15	16	3
North-West	22 ^P	9 ^P	13 ^P	8 ^P	14 ^P
West	43	12	31	34	9
South	27	9	18	9	18
South-West	18 ^P	8 ^P	10 ^P	14 ^P	4 ^P
Total	312^P	86^P	226^P	245^P	67^P

Source: DESA/MINADER

TABLE 106: Number of agricultural stations by region in 2019

Region	Agricultural stations	Agricultural stations filled	Agricultural stations built
Adamawa	135	65 ^P	34
Centre	350	194 ^{P66}	115
East	128	20 ^P	15
Far-North	207	137 ^P	27
Littoral	127	73 ^P	12
North-West	231	63 ^P	8
North	148	54 ^P	21
West	262	214 ^P	94
South	115	75 ^P	38
South-West	142	35 ^P	19
Total	1,845	930^P	383

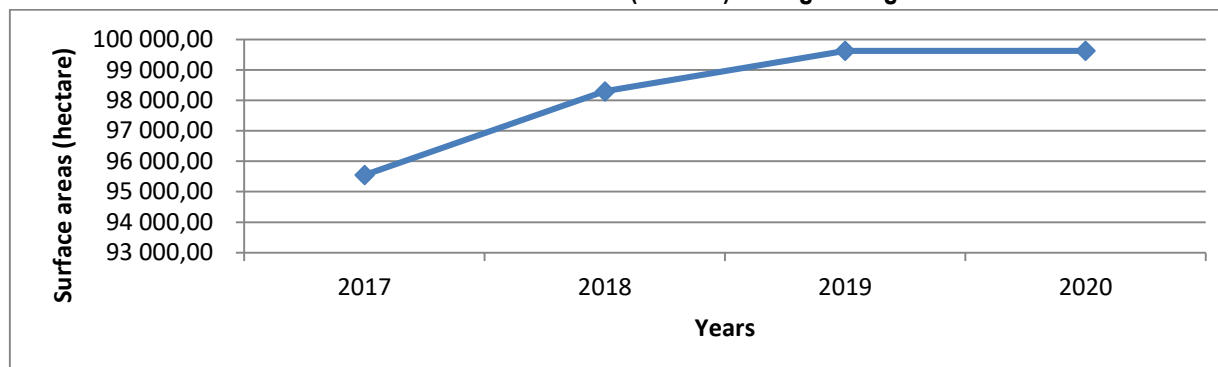
Source: DOPA, DESA /MINADER

^{66 P} Provisional data

4. IRRIGATION SCHEMES

This section reports on trends in the surface areas of irrigated agricultural land.

FIGURE 24: Annual trends in surface areas (hectare) of irrigated agricultural land in Cameroon

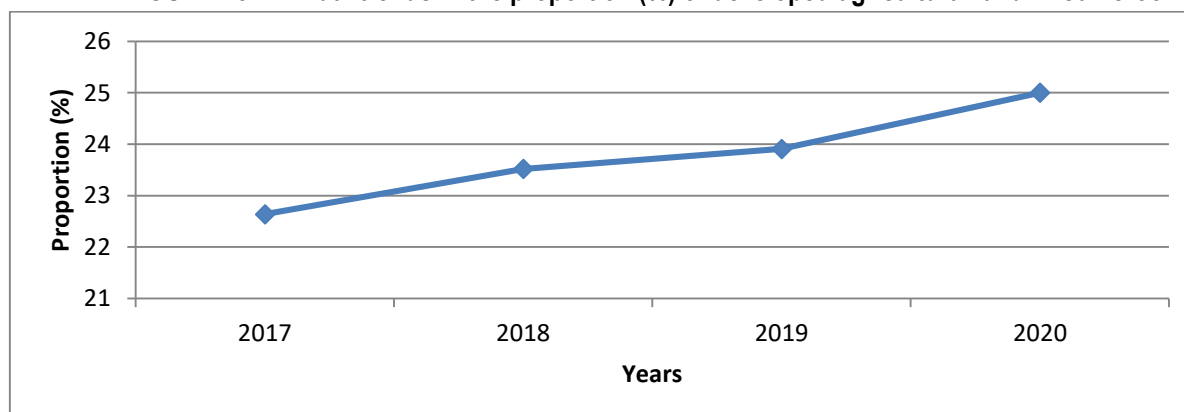


Source: MINADER (Annual Performance Reports)

5. SURFACE AREAS OF DEVELOPED AGRICULTURAL LAND

This section reports on trends in developed surface areas devoted to crop production.

FIGURE 25: Annual trends in the proportion (%) of developed agricultural land in Cameroon



Source: MINADER (Annual Performance Reports)

TABLE 107: Surface areas of irrigated and developed agricultural land

	2017	2018	2019	2020
Surface areas of irrigated agricultural land in Cameroon (hectare)	95,550.00	98,301.06	99,029.09	99,629.00
Proportion of developed agricultural land in Cameroon (%)	22.64	23.52	23.91	25.00

Source: MINADER (Annual Performance Reports)

5.1. SURFACE AREAS OF CEREALS

TABLE 108: Surface areas sown to paddy rice by region (hectare)

Region	2016	2017	2018	2019	2020
Adamawa	695.9	535.2	742.0	866.0	848.0
Centre	8,720.0	8,720.0	8,602.0	9,221.0	9,866.0
East	652.3	748.5	771.0	801.9 ^e	849.2 ^e
Far-North	48,414.8	46,447.0	41,292.0	47,999.0	39,062.0
Littoral	46.6	53.4	55.1	60.0 ^e	65.3 ^e
North	19,118.1	22,478.6	24,328.6	29,768.0	40,320.7
North-West	44,005.6	49,116.5	40,386.0	42,102.0	41,639.1
West	6,264.0	3,677.8	4,396.3	1,890.0	2,321.0
South	3,196.4	3,667.7	3,090.6	3,632.0	989.0
South-West	579.0 ^e	542.0	311.0	463.2	327.0
Total	131,692.7	135,986.7	123,974.6	136,803.1	136,287.3

Source: DESA/MINADER

TABLE 109: Surface areas sown to maize by region (hectare)

Region	2016	2017	2018	2019	2020
Adamawa	75,276.5	73,754.5	71,427.0	72,672.0	67,037.0
Centre	136,925.0	118,876.0	148,580.0	124,815.3	129,937.5
East	65,995.0	81,174.9	83,725.9	89,104.0	87,144.0
Far-North	103,880.1	113,674.0	135,849.0	131,097.0	155,002.0
Littoral	89,645.0	85,163.0	86,933.0	87,300.0	88,900.0
North	204,308.0	220,079.0	249,959.0	232,613.0	211,286.0
North-West	126,636.2	149,517.4	138,810.4	82,354.0	56,453.3
West	226,793.1	252,544.4	291,655.0	241,919.5	279,217.1
South	50,150.7	44,843.0	62,290.8	52,791.0	53,472.5
South-West	31,524.8	38,289.5	30,430.5	48,946.0	41,491.7
Total	1,111 134.4	1,177,915.7	1,299,660.6	1,163 611.8	1,169,941.1

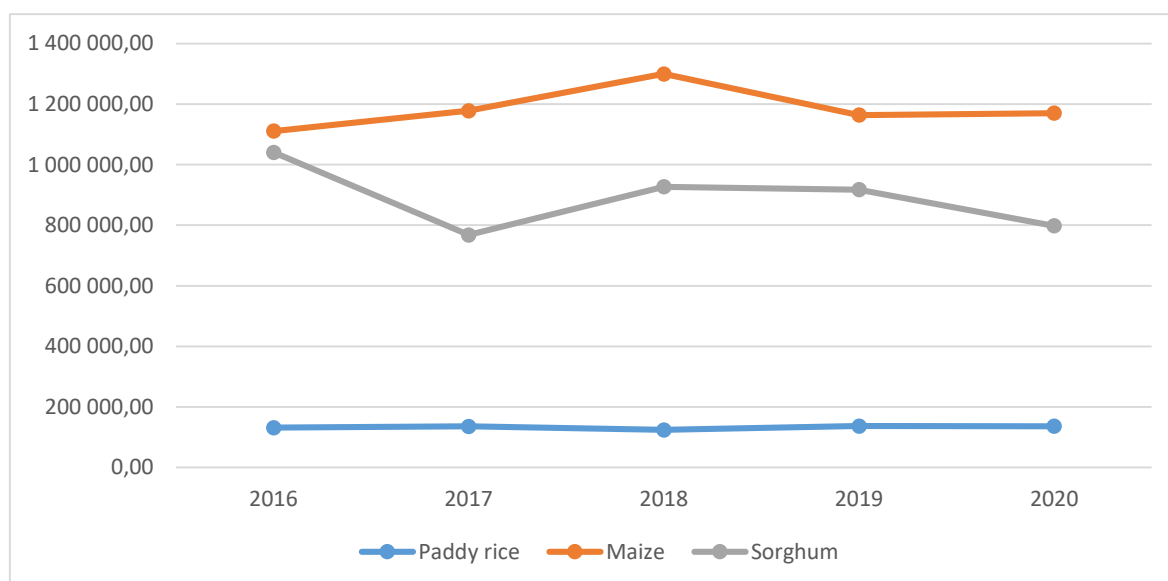
Source: DESA/MINADER

TABLE 110: Surface areas sown to millet/sorghum by region (hectare)

Region	2016	2017	2018	2019	2020
Adamawa	43,363.0	39,515.2	40,700.6	39,296.0	37,940.5
Centre	n.a.	n.a.	n.a.	n.a.	n.a.
East	n.a.	n.a.	n.a.	n.a.	n.a.
Far-North	709,422.0	542,493.0	547,033.0	569,879.0	567,537.2
Littoral	n.a.	n.a.	n.a.	n.a.	n.a.
North	283,938.0	180,719.9	334,118.3	303,522.0	188,458.5
North-West	4,178.7	5,127.6	5,143.9	4,952.5	4,071.3
West	n.a.	n.a.	n.a.	n.a.	n.a.
South	n.a.	n.a.	n.a.	n.a.	n.a.
South-West	n.a.	n.a.	n.a.	n.a.	n.a.
Total	1,040,901.7	767,855.7	926,995.8	917,649.5	798,007.5

Source: DESA/MINADER

FIGURE 26: Annual trends in national sown surface areas of priority cereal sectors (hectare)



Source: DESA/MINADER

5.2. SURFACE AREAS OF ROOTS AND TUBERS, AND FRUITS

5.2.1. SURFACE AREAS OF ROOTS AND TUBERS

TABLE 111: Surface areas sown to cassava by region (hectare)

Region	2016	2017	2018	2019	2020
Adamawa	17,947.0	21,820.0	23,560.5	38,237.0	33,820.4
Centre	108,898.7	99,300.0	94,672.0	100,527.0	100,682.8
East	79,406.8	77,532.8	83,468.1	85,742.0	88,395.5
Far-North	468.0	440.6	378.9	400.0	304.5
Littoral	41,532.0	43,193.0	44,319.0	45,200.0	46,900.0
North	3,887.5	6,965.0	10,736.0	11,481.0	9,048.0
North-West	10,731.4	12,659.9	13,292.9	14,090.0	14,934.0
West	10,795.4	9,128.5	10,461.5	11,090.0	12,050.0
South	54,946.3	62,464.1	63,951.1	55,202.6	54,568.0
South-West	37,456.1	38,420.3	47,821.0	36,885.7	41,255.7
Total	366,069.2	371,924.2	392,661.0	398,855.3	401,959.0

Source: DESA/MINADER

TABLE 112: Surface areas sown to potato by region (hectare)

Region	2016	2017	2018	2019	2020
Adamawa	1,183.8	1,314.7	1,087.0	1,345.0	1,023.5
Centre	92.0	90.0	62.0	53.7	46.9
East	n.a.	n.a.	n.a.	n.a.	n.a.
Far-North	3,723.9	3,819.0	4,317.0	3,998.0	4,070.8
Littoral	48.8	58.6	55.5	59.6	59.0
North	122.0	135.0	137.0	254.0	277.0
North-West	9,017.5	9,913.7	10,027.4	8,642.0	8,642.0
West	16,930.0	18,490.8	16,818.1	14,040.0	15,092.7
South	74.5	87.6	82.3	80.0	80.3 ^e
South-West	695.8	613.1	453.7	437.0	437.0
Total	31,888.3	34,522.5	33,040.0	28,909.3	29,729.3

Source: DESA/MINADER

TABLE 113: Surface areas sown to cocoyam/taro by region (hectare)

Region	2016	2017	2018	2019	2020
Adamawa	3,537.4	1,769.0	1,949.5	1,968.0	1,977.0
Centre	67,664.9	71,346.9	71,275.6	73,057.4	60,195.5
East	46,382.5	46,504.6	47,332.4	50,898.0	52,521.6 ^e
Far-North	225.5	237.7	261.2	360.0	300.7 ^e
Littoral	53,035.5	59,600.5	59,838.9	37,345.0	39,200.0
North	5,211.5	4,739.0	3,187.0	3,213.0	3,278.0
North-West	14,068.6	10,994.3	10,335.5	9,335.5	11,225.6
West	15,691.9	16,864.0	18,036.4	23,976.0	15,058.7
South	20,142.4	17,282.6	18,394.9	17,341.0	17,489.0
South-West	22,231.2	21,139.4	10,882.6	12,122.0	16,770.3
Total	248,191.4	250,478.0	241,494.0	229,615.9	218,016.5

Source: DESA/MINADER

TABLE 114: Surface areas sown to sweet potato by region (hectare)

Region	2016	2017	2018	2019	2020
Adamawa	10,183.7	7,266.6	3,949.5	3,798.0	3,407.0
Centre	24,145.1	24,763.1	27,240.7	28,411.0	31,987.6
East	4,076.7	5,007.9	5,353.4	5,307.0	5,689.7
Far-North	2,921.4	2,682.8	2,095.5	2,146.0	2,099.2
Littoral	5,050.2	6,586.5	6,755.9	6,062.4	12,128.0
North	4,922.8	7,989.9	9,619.7	9,028.0	7,373.0
North-West	1,778.6	1,803.3	2,115.7	2,120.0	2,005.0
West	3,717.0	4,534.0	44 11.8	5,613.0	4,802.0
South	2,548.4	3,219.2	31 23.1	3,000.0	3,129.0
South-West	2,384.0	7,266.6	7,637.1	3,798.0	1,926.0
Total	61,727.9	71,119.9	72,302.4	69,283.5	74,546.5

Source: DESA/MINADER

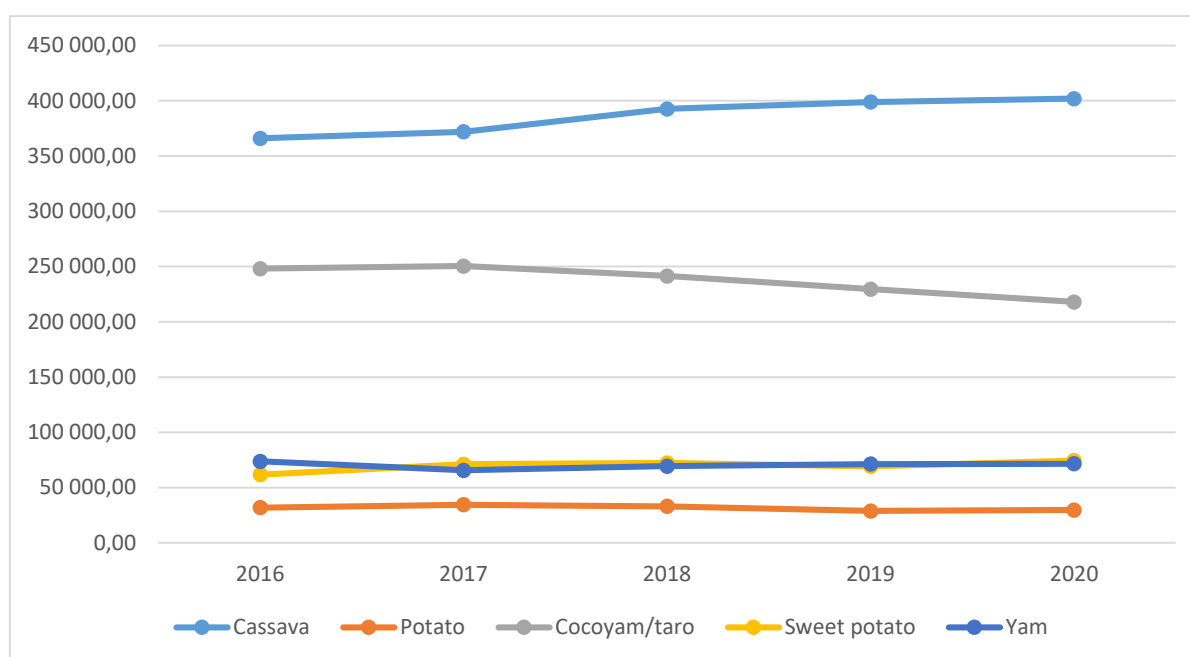
TABLE 115: Surface areas sown to yam by region (hectare)

Region	2016	2017	2018	2019	2020
Adamawa	7,384.4	7,135.8	7,706.4	7,591.0	7,865.0
Centre	31,776.5	27,013.1	31,380.0	37,319.0	37,319.0
East	6,798.9	6,589.9	6,820.5	6,000.0	6,460.5
Far-North	n.a. ⁶⁷	n.a.	n.a.	n.a.	n.a.
Littoral	6,358.2	6,642.5	6,486.0	7,218.0	7,408.2
North	1,453.5	1,299.7	1,335.1	1,120.0	1,180.5
North-West	10,312.1	9,443.0	8,867.0	4,268.0	3,979.0 ^{e68}
West	3,892.0	3,131.9	3,664.3	4,675.0	3,840.3
South	679.1	638.2	663.4	660.0	678.0
South-West	5,081.9	3,811.1	2,443.8	2,400.0	2,788.8
Total	73,736.6	65,705.2	69,366.5	71,251.0	71,519.3^{e69}

Source: DESA/MINADER

⁶⁷ n.a.: Not applicable⁶⁸ e Estimated data⁶⁹ p Provisional data

FIGURE 27: Annual trends in the national sown surface areas of roots and tubers (hectare)



Source: DESA/MINADER

5.2.2. Surface areas of fruits

TABLE 116: Surface areas sown to pineapple by region (hectare)

Region	2016	2017	2018	2019	2020
Adamawa	85.4	94.0	97.0	106.3	116.4
Centre	5,160.0	5,996.0	6,234.0	7,330.0	7,502.4
East	493.0	491.2	501.0	532.0	578.1
Far-North	n.a. ⁷⁰	n.a.	n.a.	n.a.	n.a.
Littoral	1,960.0	1,999.0	2,002.0	2,016.0	2,067.0
North	n.a.	n.a.	n.a.	n.a.	n.a.
North-West	25.0	21.0	23.0	23.0	61.7
West	107.9	116.5	126.0	131.0	158.0
South	96.0	95.8	95.4	98.0	112.3
South-West	423.0	390.6	417.9	395.0	226.0
Total	8,350.3	9,204.1	9,496.3	10,631.3	10,821.9

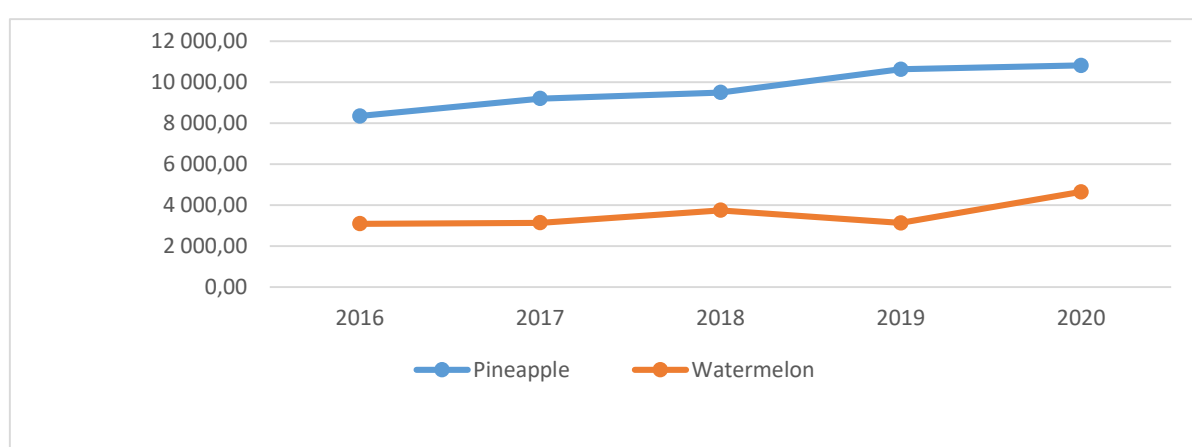
Source: DESA/MINADER

⁷⁰ n.a.: Not applicable

TABLE 117: Surface areas sown to watermelon by region (hectare)

Region	2016	2017	2018	2019	2020
Adamawa	3.7	17.5	35.0	81.0	85.5
Centre	958.0	1,094.0	1,095.0	1,028.0	1,070.0
East	72.1	71.7	75.8	75.8	122.0
Far-North	17.5 ^e	21.5 ^e	34.0	384.0	327.9
Littoral	163.4	293.6	296.0	309.0	380.7
North	25.0 ^e	32.5 ^e	34.0	127.0	1,124.5
North-West	90.7	13.5	90.1	26.0	37.3
West	1,782.9	1,641.0	2,081.1	1,096.0	1,485.7
South	2.9	3.2	3.1	3.0	3.0 ^e
South-West	15.5	3.6	2.3	2.0	7.0
Total	3,089.2	3,138.1	3,746.4	3,131.8	4,643.6

Source: DESA/MINADER

FIGURE 28: Annual trends in the national cultivated surface areas of the main fruits (hectare)

Source: DESA/MINADER

5.3. SURFACE AREAS OF INDUSTRIAL AND EXPORT SECTORS AND NICHE PRODUCTS

TABLE 118: Surface areas under cocoa cultivation by region (hectare)

Region	2016	2017	2018	2019	2020
Adamawa	420.1	460.0	517.5	628.5	565.0
Centre	276,126.2	281,261.0	329,508.9	350,009.2	287,361.9
East	4,862.9	7,727.7	19,420.0	19,515.0	24,293.7
Far-North	n.a. ⁷¹	n.a.	n.a.	n.a.	n.a.
Littoral	37,000.0	31,080.0	32,790.0	33,820.0	34,200.0
North	n.a.	n.a.	n.a.	n.a.	n.a.
North-West	106.7	118.2	90.0	90.0	86.3
West	3,512.2	9,496.0	12,820.0	12,418.9	16,796.1
South	52,467.0	52,845.0	56,860.0	61,860.8	51,347.1
South-West	477,690.7	388,929.4	207,011.0	194,275.4	164,085.8
Total	852,185.8	771,917.3	659,017.4	672,617.8	578,735.9

Source: DESA/MINADER

⁷¹ n.a.: Not applicable

TABLE 119: Surface areas under palm oil cultivation by region (hectare)

Region	2016	2017	2018	2019	2020
Adamawa	1,380.0	982.6	1,050.0	156.0	130.0
Centre	21,903.0	24,755.0	27,323.0	19,370.0	22,042.0
East	3,539.0	3,345.0	3,278.0	3,789.0	3,854.2
Far-North	n.a.	n.a.	n.a.	n.a.	n.a.
Littoral	64,263.0	67,570.0	68,732.0	69,200.0	44,113.7
North	n.a.	n.a.	n.a.	n.a.	n.a.
North-West	22,178.0	32,738.0	37,687.0	23,150.0	38,711.5
West	2,370.0	1,682.0	1,678.0	4,468.0	4,468.0
South	4,927.0	4,910.0	4,910.0	4,640.0	4,604.1
South-West	49,900.0	35,208.0	21,125.0	18,900.0	32,885.0
Total	170,460.0	171,190.6	165,783.0	143,673.0	150,808.5

Source: DESA/MINADER

TABLE 120: Surface areas under robusta coffee cultivation by region (hectare)

Region	2016	2017	2018	2019	2020
Adamawa	3,545.1	3,563.1	2,969.1	3,575.0	3,605.0
Centre	3,002.5	2,427.0	1,623.0	1,796.0	944.3
East	4,859.9 ^{e 72}	4,868.4 ^e	4,862.0 ^e	4,862.0	4,877.8
Far-North	n.a.	n.a.	n.a.	n.a.	n.a.
Littoral	21,255.0	19,980.0	19,772.0	20,158.0	20,939.0
North	n.a.	n.a.	n.a.	n.a.	n.a.
North-West	122.0 ^e	131.0 ^e	102.0	140.0	136.0
West	30,268.7	33,638.0	29,738.0	25,312.0	17,291.0
South	n.a.	n.a.	n.a.	n.a.	n.a.
South-West	7,783.1	7,656.0	7,972.0	7,980.9	7,245.1
Total	73,338.7	76,879.4	71,082.1	67,805.9	60,568.9

Source: DESA/MINADER

TABLE 121: Surface areas under arabica coffee cultivation by region (hectare)

Region	2016	2017	2018	2019	2020
Adamawa	487.6	532.7	546.2	502.0	490.8
Centre	n.a.	n.a.	n.a.	n.a.	n.a.
East	n.a.	n.a.	n.a.	n.a.	n.a.
Far-North	n.a.	n.a.	n.a.	n.a.	n.a.
Littoral	3,042.0 ^e	7,296.8 ^e	2,777.3 ^e	2,177.1 ^e	1,758.4 ^e
North	n.a. ⁷³	n.a.	n.a.	n.a.	n.a.
North-West	2,483.8	2,083.3	2,401.5	1,478.2	1,298.3
West	3,843.8	4,426.0	4,519.5	5,896.0	5,651.5
South	n.a.	n.a.	n.a.	n.a.	n.a.
South-West	88.7	90.0	59.0	70.0	59.0
Total	9,945.9	14,428.8	10,303.5	10,123.3	9,258.1

Source: DESA/MINADER

⁷² e: Estimate and evaluation⁷³ n.a.: Not applicable

TABLE 122: Surface areas under sweet banana cultivation by region (hectare)

Region	2016	2017	2018	2019	2020
Adamawa	91.2	117.3	109.0	100.0	99.8
Centre	21,156.8	25,468.6	22,237.7	21,640.0	20,966.7
East	10,547.2	9,871.9	9,959.8	9,960.0	9,826.1
Far-North	0.7	1.0	1.0	1.2 ^{e 74}	1.5 ^e
Littoral	9,811.3	13,755.0	13,812.5	16,548.0	12,965.8
North	14.3	19.0	260.2	130.0	147.3
North-West	2,600.1	2,035.2	2,135.0	2,031.0	1,987.1
West	4,338.1	4,033.1	4,142.8	3,930.0	3,165.0
South	6,150.5	5,498.2	5,889.1	4,549.0	4,396.8
South-West	13,296.6	8,020.0	5,948.3	5,384.0	6,066.0
Total	68,006.8	68,819.3	64,495.4	64,273.2	59,622.1

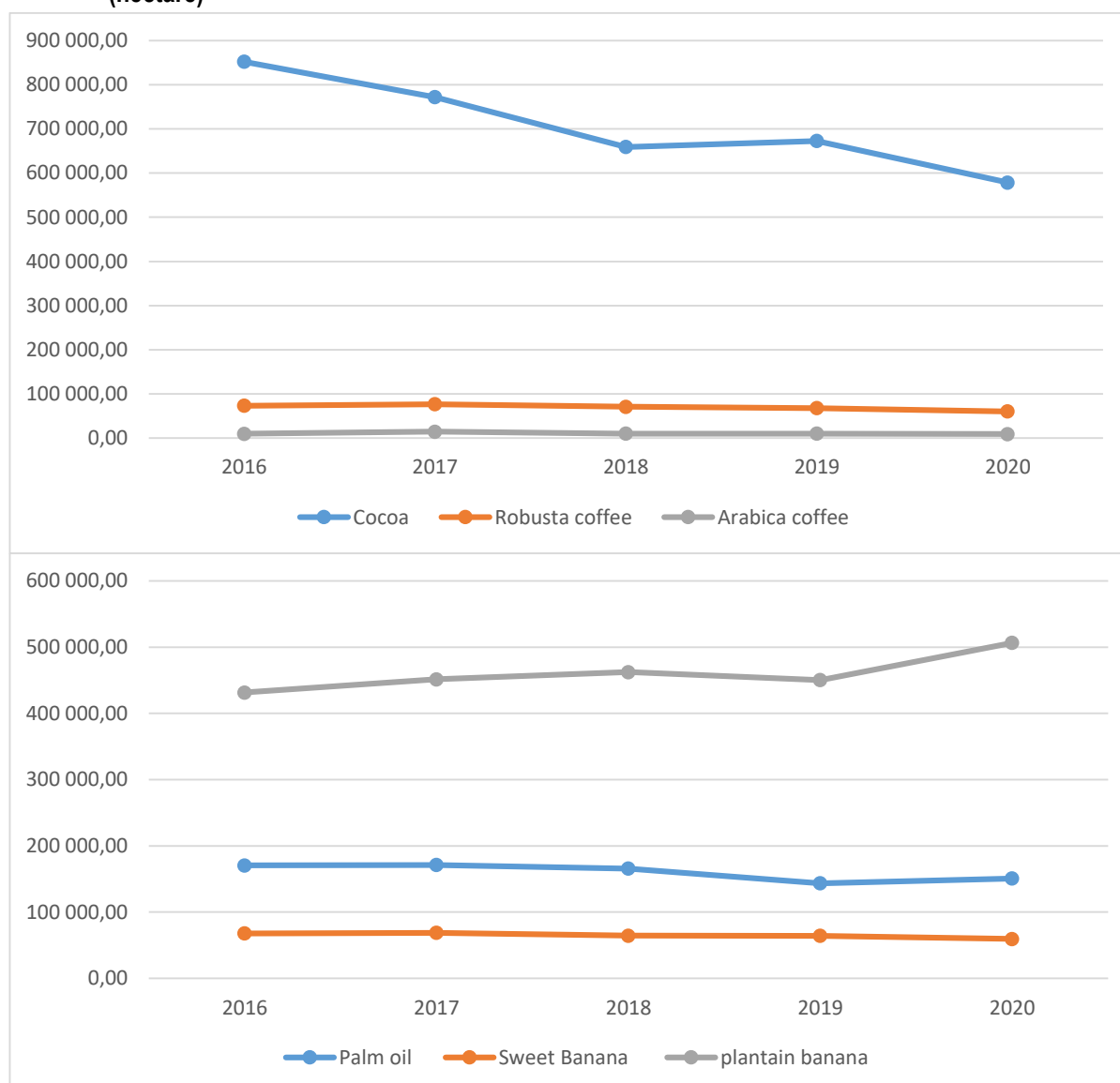
Source: DESA/MINADER

TABLE 123: Surface areas under plantain cultivation by region (hectare)

Region	2016	2017	2018	2019	2020
Adamawa	1,936.1	2,093.8	1,947.3	1,544.0	1,691.5
Centre	183,911.5	188,148.2	194,314.1	183,898.9	210,079.3
East	87,769.0	91,217.4	99,413.2	99,237.0	99,237.0
Far-North	n.a. ⁷⁵	n.a.	n.a.	n.a.	n.a.
Littoral	40,992.0	41,811.0	41,941.0	44,000.0	46,400.0
North	n.a.	n.a.	n.a.	n.a.	n.a.
North-West	11,818.5	17,890.9	15,179.3	15,200.0	14,744.0
West	21,130.1	20,461.6	18,066.1	17,674.0	21,326.0
South	60,283.6	64,190.5	71,402.9	69,204.0	69,204.0
South-West	23,691.3	25,669.2	19,974.6	19,503.0	43,758.0
Total	431,532.1	451,482.6	462,238.5	450,260.9	506,439.8

Source: DESA/MINADER

⁷⁴ e: Estimate and evaluation⁷⁵ n.a.: Not applicable

FIGURE 29: Annual trends in the national cultivated surface areas of industrial and export sectors (hectare)


Source: DESA/MINADER

5.4. SURFACE AREAS OF OTHER SECTORS

5.4.1. Surface areas of pulses

TABLE 124: Surface areas under soybean cultivation by region (hectare)

Region	2016	2017	2018	2019	2020
Adamawa	622.0	921.7	1,209.4	1,097.0	1,574.0
Centre	3,539.3	4,932.5	4,982.6	5,458.5	5,979.7
East	n.a. ⁷⁶	n.a.	n.a.	n.a.	n.a.
Far-North	729.7	636.2	1,215.1	21,555.0	23,403.4
Littoral	3,746.7	4,740.7	4,603.2	5,031.9	5,500.5
North	67,361.9	63,112.0	74,113.0	68,611.0	61,699.0
North-West	2,994.6	2,218.9	2,332.1	2,332.0	1,100.5

⁷⁶ n.a.: Not applicable

West	4,999.0	6,921.0	6,131.0	4,277.0	1,277.2
South	100.7	117.0	116.0	110.0	81.0 ^{e77}
South-West	233.2	254.5	263.5	260.0	278.4
Total	84,327.1	83,854.6	94,965.9	108,732.4	100,893.7^{e78}

Source: DESA/MINADER

TABLE 125: Surface areas under groundnut cultivation by region (hectare)

Region	2016	2017	2018	2019	2020
Adamawa	12,075.6	11,408.0	7,326.0	10,934.8	12,073.5
Centre	59,125.0	61,327.1	62,594.4	65,861.1	69,297.8
East	83,908.2	96,393.0	99,370.7	102,106.0	104,851.3
Far-North	87,353.5	88,629.0	97,609.0	97,441.0	93,920.0
Littoral	2,872.7	3,279.7	3,531.0	3,672.0	3,811.1
North	180,638.0	181,995.0	215,783.0	213,093.1	190,169.3
North-West	6,103.1	10,217.5	8,437.6	5,213.0	5,130.0
West	6,103.1	3,138.8	8,189.0	11,185.0	8,384.5
South	22,000.0	15,780.5	16,268.3	25,047.0	25,211.5
South-West	6,103.1	5,513.3	5,526.7	4,899.0	4,055.0
Total	466,282.3	477,681.9	524,635.7	539,452.0	516,904.0

Source: DESA/MINADER

TABLE 126: Surface areas under cowpea cultivation by region (hectare)

Region	2016	2017	2018	2019	2020
Adamawa	259.0 ^e	262.7 ^e	114.7 ^e	321.0 ^e	354.0 ^e
Centre	9,608.2	10,174.3	10,208.3	9,838.3	9,481.8
East	n.a.	n.a.	n.a.	n.a.	n.a.
Far-North	401,131.5	322,235.4	346,264.4	321,298.0	337,184.6
Littoral	802.7 ^e	868.1 ^e	883.2 ^e	919.0 ^e	961.7 ^e
North	59,989.0	66,852.0	38,055.1	64,852.0	55,631.0
North-West	310.3 ^e	322.8 ^e	335.9 ^e	349.5 ^e	363.7 ^e
West	78.8 ^e	81.2 ^e	84.0 ^e	74.8 ^e	133.5
South	n.a.	n.a.	n.a.	n.a.	n.a.
South-West	619.6 ^e	633.4 ^e	637.8 ^e	624.5 ^e	626.2 ^e
Total	472,799.1	401,429.9	396,583.4	398,277.1	404,736.4

Source: DESA/MINADER

TABLE 127: Surface areas under bean cultivation by region (hectare)

Region	2016	2017	2018	2019	2020
Adamawa	4,758.2	6,238.0	2,504.0	6,510.0	7,392.5
Centre	2,549.0	2,130.0	1,700.0	1,485.3	1,297.7
East	1,130.8	1,114.3	1,214.6	1,314.0	1,364.3
Far-North	41,076.4	39,917.7	40,023.8	40,000.0	40,427.9
Littoral	12,880.1	13,149.9	11,513.3	11,582.0	10,726.5
North	15,879.1	15,696.1	15,640.7	15,889.2	16,141.7
North-West	118,704.1	117,415.9	107,896.0	93,200.0	93,508.0
West	119,665.3	126,509.5	128,953.7	126,050.0	128,264.8
South	n.a.	n.a.	n.a.	n.a.	225.0
South-West	8,970.3	5,625.8	3,769.3	3,531.0	3,223.0 ^e
Total	325,613.3	327,797.2	313,215.4	299,561.5	302,571.3

Source: DESA/MINADER

⁷⁷ e Estimated data⁷⁸ p Provisional data

TABLE 128: Surface areas under sesame cultivation by region (hectare)

Region	2016	2017	2018	2019	2020
Adamawa	2,590.6	2,600.0	2,612.0	2,698.0	2,862.5
Centre	5,768.1	5,995.8	6,508.1	6,932.0	7,414.0
East	10,701.1	11,136.2	12,617.3	13,633.2	14,730.9
Far-North	19,098.7	17,886.1	18,118.6	14,001.0	14,303.8
Littoral	n.a.	n.a.	n.a.	n.a.	n.a.
North	4,036.0	4,322.0	13,314.2	13,915.4	14,354.6
North-West	n.a.	n.a.	n.a.	n.a.	n.a.
West	3,522.9	3,945.7	4,419.2	3,523.1	3,680.4
South	2,769.5	2,856.2	3,190.9	3,200.0	3,420.5
South-West	n.a.	n.a.	n.a.	n.a.	n.a.
Total	48,486.9	48,742.0	60,780.3	57,902.7	60,766.7

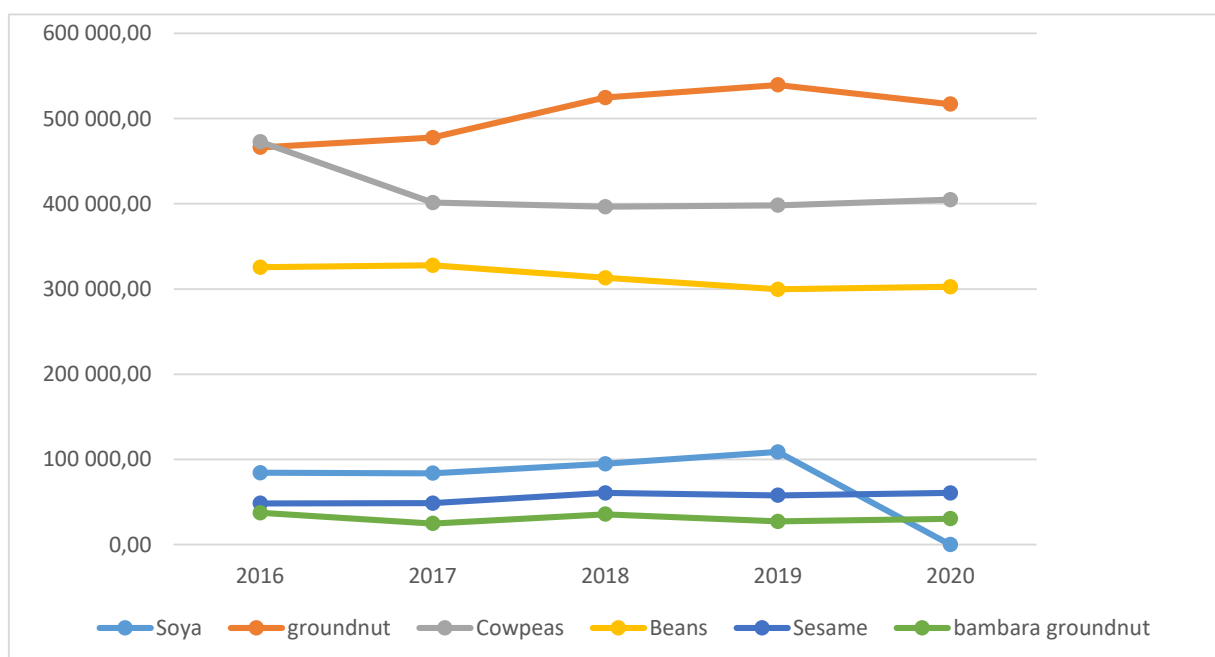
Source: DESA/MINADER

TABLE 129: Surface areas under bambara groundnut cultivation by region (hectare)

Region	2016	2017	2018	2019	2020
Adamawa	0.0	0.0	0.0	39.0	47.5
Centre	1,768.9	1,724.4	1,792.1	1,787.3	1,782.6
East	n.a.	n.a.	n.a.	n.a.	n.a.
Far-North	22,335.2	10,729.3	20,703.0	13,334.0	17,943.9
Littoral	3,576.2	3,505.1	3,691.3	3,708.7	3,726.1
North	4,240.0	3,491.0	3,871.9	3,613.0	2,291.8
North-West	4,893.6	4,727.5	4,907.3	4,000.0	4,002.0
West	536.7	684.3	723.3	700.0	720.0
South	n.a.	n.a.	n.a.	n.a.	n.a.
South-West	n.a.	n.a.	n.a.	n.a.	n.a.
Total	37,350.6	24,861.6	35,688.9	27,182.0	30,513.9

Source: DESA/MINADER

FIGURE 30: Annual trends in the national cultivated surface areas of the main pulses (hectare)



Source: DESA/MINADER

5.4.2. Market-garden surface areas

TABLE 130: Surface areas under tomato cultivation by region (hectare)

Region	2016	2017	2018	2019	2020
Adamawa	338.2	363.8	330.0	387.0	464.0
Centre	9,174.4	7,512.6	8,288.6	7,115.0	5,363.3
East	520.4	553.0	573.5	573.0	629.0
Far-North	204.4	200.8	206.8	258.0	333.6
Littoral	358.0	398.7	383.1	398.9 ^e	429.5
North	180.0	247.8	312.3	451.7	1,242.0
North-West	4,664.0	4,557.0	5,383.2	4,210.0	3,872.2
West	45,275.0	40,748.0	47,140.4	45,471.0	47,710.5
South	845.0	981.6	1,021.0	970.0	903.5
South-West	289.1	378.0	321.7	300.0	372.0
Total	61,848.4	55,941.2	63,960.6	60,134.6	61,319.6

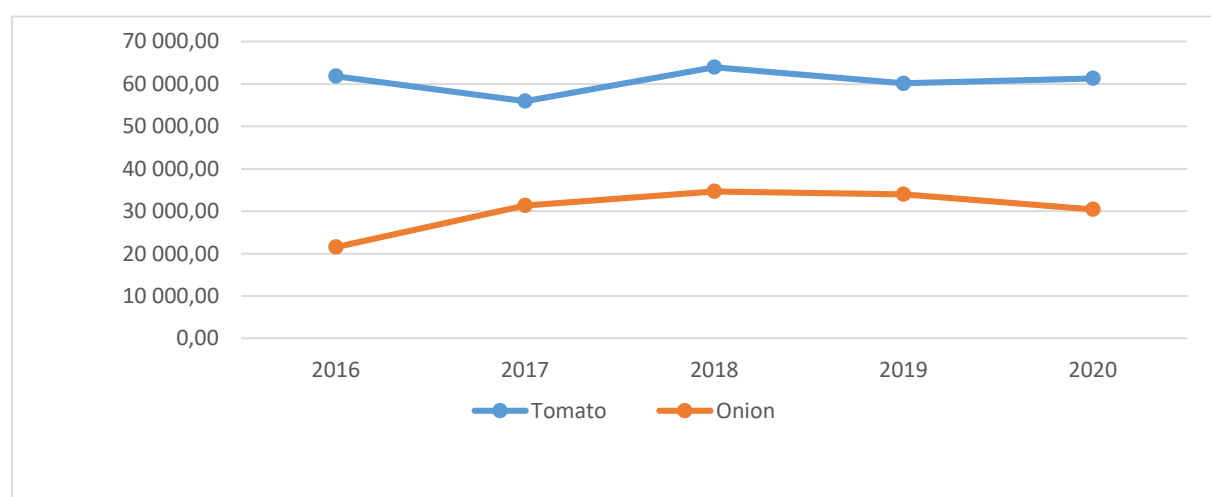
Source: DESA/MINADER

TABLE 131: Surface areas under onion cultivation by region (hectare)

Region	2016	2017	2018	2019	2020
Adamawa	64.6	75.0	78.0	77.0	80.1
Centre	1,403.0	1,200.0	978.0	1,159.3	1,374.2
East	46.2	42.9	43.3	47.0 ^e	48.8 ^e
Far-North	17,646.9	26,676.8	29,344.5	29,399.0	24,367.5
Littoral	62.8	40.3	41.0	49.2 ^e	51.3 ^e
North	2,009.0	2,766.0	3,648.0	2,628.0	3,070.0
North-West	90.0	120.0	150.0	160.3 ^e	166.9 ^e
West	80.7	358.0	323.5	405.0	1,198.0
South	82.0	81.0	74.0	62.0	67.0
South-West	46.0	n.a.	n.a.	n.a.	n.a.
Total	21,531.2	31,360.0	34,680.3	33,986.7	30,423.7

Source: DESA/MINADER

FIGURE 31: Annual trends in the national cultivated surface areas of the main market-garden crops (hectare)



Source: DESA/MINADER

TABLE 132: Surface areas of the main export crops of selected enterprises (hectare)

Products	Indicators	2016	2017	2018	2019	2020
Palm oil	Surface area of oil palm in production	42,127	42,833	39,916	40,926	39,635
Rice	Surface area under cultivation (ha)	13,199.6	108,53.4	124,97.4	14,032.1	...
Cotton	Surface area under cultivation (ha)	183,971	182,610	203,651	222,350	...
Sugar cane	Surface area under cane cultivation (ha)	20,996	22,202	23,270	22,973	23,766

Sources: DESA/MINADER, PHP, SODECOTON, SOSUCAM, SEMRY, UNVDA, LPDS, NOVAPALM, SAFACAM, SOCAPALM

CHAPTER 4: RESILIENCE OF AGRICULTURAL PRODUCTION, FOOD AND NUTRITIONAL SECURITY SYSTEMS OF RURAL POPULATIONS IN THE FACE OF CLIMATE CHANGE

This chapter reports on trends in the prevalence of food insecurity, trends in climatological parameters, as well as exposure to natural disasters.

More specifically, it provides useful information for:

- strengthening and scaling up climate change adaptation and mitigation measures;
- strengthening the food and nutritional security of vulnerable populations;
- accessibility to agricultural products (prices);
- restoring and securing land resources;

1. STRENGTHENING AND SCALING UP CLIMATE CHANGE ADAPTATION AND MITIGATION MEASURES

Technical note:

The study of the monthly trends in rainfall (height and number of rainy days) and temperature (°C) will promote initiatives aimed at adapting and mitigating climate change.

TABLE 133: Monthly trends in rainfall (height and number of rainy days) in 2018

MONTH	JAN 2018		FEB 2018		MAR 2018		APR 2018		MAY 2018		JUN 2018	
	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY
REGIONS												
ADAMAWA	0.0	... ⁷⁹	21.2	...	67.4	...	142.7	...	234.2	...	265.4	...
CENTRE	...	...	...	...	...	...	...	...	...	...	...	...
EAST	...	...	...	...	...	...	...	...	...	...	...	...
FAR-NORTH	...	...	...	...	...	...	...	...	...	...	...	...
LITTORAL	...	...	...	...	...	...	...	...	...	...	...	...
NORTH	0.0	0.0	0.0	0.0	5.3	1.0	39.1	4.0	130.7	8.0	144.3	9.0
NORTH-WEST	...	...	...	...	...	...	...	...	...	...	...	...
WEST	2.0	1.0	6.2	2.0	27.2	3.0	100.4	9.0	103.1	11.0	131.3	11.0
SOUTH	...	...	...	...	...	...	...	...	...	...	...	...
SOUTH-WEST	...	...	...	...	...	...	...	...	...	...	...	...

MONTH	JUL 2018		AUG 2018		SEP 2018		OCT 2018		NOV 2018		DEC 2018	
	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY
REGIONS												
ADAMAWA	299.4	...	283.6	...	237.9	...	232.9	...	39.7	...	0.0	...
CENTRE	...	...	...	...	...	...	...	...	...	...	...	...
EAST	...	...	...	...	...	...	...	...	...	...	...	...
FAR-NORTH	...	...	...	...	...	...	...	...	...	...	...	...
LITTORAL	...	...	...	...	...	...	...	...	...	...	...	...
NORTH	227.7	10.0	312.9	13.0	250.2	13.0	64.0	4.0	0.0	0.0	0.0	0.0
NORTH-WEST	...	...	...	...	...	...	...	...	...	...	...	...
WEST	187.3	13.0	217.6	13.0	210.6	13.0	210.3	15.0	177.2	13.0	82.0	6.0
SOUTH	...	...	...	...	...	...	...	...	...	...	...	...
SOUTH-WEST	...	...	...	...	...	...	...	...	...	...	...	...

Source: DESA/MINADER

⁷⁹...: Result not available

TABLE 134: Monthly trends in rainfall (height and number of rainy days) in 2019

MONTH	JAN-2019		FEB-2019		MAR-2019		APR-2019		MAY-2019		JUN-2019	
	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY
REGIONS												
ADAMAWA	2.3	1.0	20.3	2.0	28.7	3.0	113.8	10.0	292.8	18.0	276.8	16.0
CENTRE	... ⁸⁰	...	...	...	...	...	...	...	...	...	...	...
EAST	...	...	...	...	...	...	...	...	...	...	...	...
FAR-NORTH	...	...	...	...	...	...	...	...	...	...	...	...
LITTORAL	16.3	3.0	131	4.0	161.3	10.0	174.1	13.0	259.7	15.0	344.7	17.0
NORTH	0.0	0.0	8.1	1.0	1.2	1.0	34.9	4.0	115.5	8.0	184.7	8.0
NORTH-WEST	...	...	...	...	...	...	...	...	...	...	...	...
WEST	25.7	1.8	44.8	3.0	65.7	5.2	170.1	10.8	237.5	14.0	219.9	13.2
SOUTH	...	...	...	...	...	...	...	...	...	...	...	...
SOUTH-WEST	...	...	...	...	...	...	...	...	...	...	...	...

MONTH	JUL-2019		AUG-2019		SEP-2019		OCT-2019		NOV-2019		DEC-2019	
	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY
REGIONS												
ADAMAWA	234.4	18.0	252.2	17.0	283.8	20.0	264.2	20.0	26.0	2.0	0.0	0.0
CENTRE	...	...	...	...	...	...	...	...	...	...	...	...
EAST	...	...	...	...	...	...	...	...	...	...	...	...
FAR-NORTH	...	...	...	...	...	...	...	...	...	...	...	...
LITTORAL	419.5	18.0	351.1	21.0	432.2	16.0	369.0	13.0	543.2	11.0	0.0	0.0
NORTH	226.4	11.0	248.0	13.0	214.2	10.0	181.2	10.0	0.0	0.0	0.0	0.0
NORTH-WEST	...	...	...	...	...	...	...	...	...	...	...	...
WEST	294.8	20.2	268.3	16.2	277.6	17.2	429.6	24.6	118.6	8.7	0.0	0.0
SOUTH	...	...	...	...	...	...	...	...	...	...	...	...
SOUTH-WEST	...	...	...	...	...	...	...	...	...	...	...	...

Source: DESA/MINADER

⁸⁰ ... Result not available

TABLE 135: Monthly trends in rainfall (height and number of rainy days) in 2020

MONTH	JAN-2020		FEB-2020		MAR-2020		APR-2020		MAY-2020		JUN-2020	
	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY
REGIONS												
ADAMAWA	0.0	0.0	0.0	0.0	69.8	5.0	146.4	11.0	232.6	16.0	164.5	12.0
CENTRE	17.8	1.0	24.6	4.0	76.2	9.0	76.4	11.0	120.9	14.0	81.1	8.0
EAST	0.0	0.0	1.4	1.0	99.5	6.4	178.9	10.8	191.2	11.6	262.2	9.8
FAR-NORTH	0.0	0.0	0.0	0.0	0.0	0.0	5.0	1.0	79.0	6.0	128.0	8.0
LITTORAL	8.5	10.0	105.0	10.0	173.9	10.0	337.4	22.0	372.0	29.0	374	27.0
NORTH	0.0	0.0	0.0	0.0	3.7	1.0	32.1	3.0	96.2	7.0	161.1	10.0
NORTH-WEST	24.0	... ⁸¹	37.0	...	108.3	....	166.0	...	180.5	...	251.0	...
WEST	2.8	1.0	24.3	3.0	40.2	4.0	108.7	9.0	153.1	12.0	186.5	14.0
SOUTH	...	...	...	...	...	...	...	...	...	...	...	...
SOUTH-WEST	...	...	...	...	...	...	...	...	...	...	...	...

MONTH	JUL-2020		AUG-2020		SEP-2020		OCT-2020		NOV-2020		DEC-2020	
	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY	HEIGHT (mm)	NBR DAY
REGIONS												
ADAMAWA	285.6	19.0	203.4	13.0	291.8	17.0	130.0	9.0	10.2	1.0	0.0	0.0
CENTRE	65.3	7.0	90.3	11.0	245.0	21.0	253.5	17.0	178.0	9.0	17.0	2.0
EAST	...	...	...	...	...	...	...	...	...	...	...	...
FAR-NORTH	178.0	9.0	35.0	14.0	132.0	7.0	134.0	9.0	0.0	0.0	0.0	0.0
LITTORAL	509.8	27.0	464.3	27.0	880.0	28.0	490.0	28.0	132.6	12.0	0.0	0.0
NORTH	230.5	11.0	164.5	7.0	247.3	12.0	74.8	5.0	2.0	1.0	0.0	0.0
NORTH-WEST	329.7	...	...	...	...	...	...	...	...	...	...	...
WEST	298.3	15.0	144.3	9.0	247.7	15.0	275.8	17.0	475.3	4.0	0.0	0.0
SOUTH	...	...	...	...	...	...	...	...	...	...	...	...
SOUTH-WEST	...	...	...	...	...	...	...	...	...	...	...	...

Source: DESA/MINADER

⁸¹... Result not available

TABLE 136: Trends in rainfall over the past three (03) years (2018 to 2020)

MONTH REGIONS	YEAR 2018		YEAR 2019		DIFFERENCE (2019-2018)		YEAR 2019		YEAR 2020		DIFFERENCE (2020-2019)	
	HEIGHT (mm)	Nbr Day	HEIGHT (mm)	Nbr Day	HEIGHT (mm)	Nbr Day	HEIGHT (mm)	Nbr Day	HEIGHT (mm)	Nbr Day	HEIGHT (mm)	Nbr Day
ADAMAWA	1,824.6	123.0	1,795.6	127.0	-59.0	4.0	1,795.6	127.0	1,534.4	103.0	-261.19	-24.0
CENTRE	... ⁸²	...	...	...	...	...	...	...	103.8	10.0	...	...
EAST	1,114.1	21.3	1,295.2	90.2	181.1	68.9	1,295.2	90.2	...	...	...	...
FAR-NORTH	848.0	47.0	1,014.0	54.0	166.0	7.0	90.2	1,014.0	966.0	44.0	-48.0	-10.0
LITTORAL	...	3,202.1	141.0	...	...	...	3,202.1	141.0	3,847.4	225.0	645.3	84.0
NORTH	1,174.6	68.0	1,214.2	66.0	39.6	-2.0	1,214.2	66.0	994.2	57.0	-220.0	-9.0
NORTH-WEST	...	...	...	...	...	...	...	...	...	...	...	...
WEST	1,116.3	83.7	2,152.8	134.9	1,036.5	51.2	2,152.8	134.9	1,492.0	103.0	-660.8	-31.9
SOUTH	...	...	...	...	...	...	...	...	5,428.2	144	...	...
SOUTH-WEST	...	...	...	...	...	...	...	...	...	...	...	...

Source: DESA/MINADER

⁸² ... Result not available

TABLE 137: Rainfall (height and number of rainy days) and rainfall intensity recorded in Cameroon during the year 2019 compared to historical rainfall and rainfall intensity from 1979 to 2018

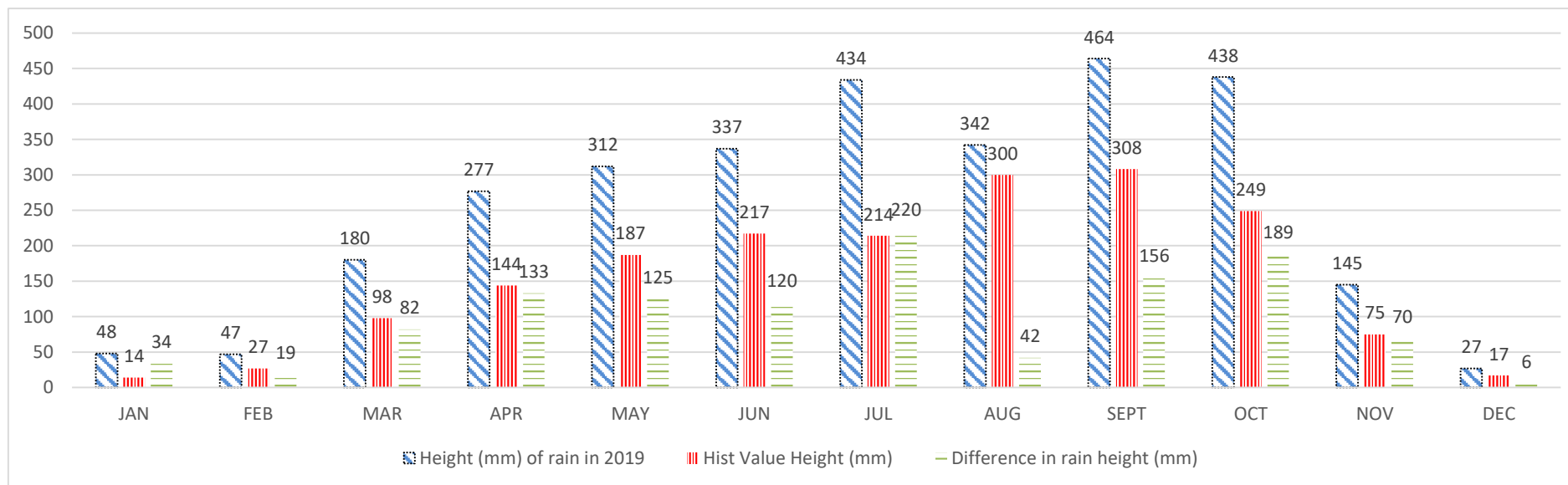
Month	Average Hist. Value Height (mm)	Average Hist. Value Number of days	Average Hist. Value Rainfall intensity (A)	Height (mm) of rain in 2019	Number of rainy days in 2019	Rainfall intensity in 2019 (B)	Intensity difference (B-A)
January	14	6	2.3	48	10	4.8	2.5
February	27	10	2.7	47	10	4.7	2.0
March	98	17	5.8	180	19	9.5	3.7
April	144	21	6.9	277	21	13.2	6.3
May	187	24	7.8	312	27	11.6	3.8
June	217	24	9.0	337	28	12.0	3.0
July	214	26	8.2	437	30	14.6	6.3
August	300	27	11.1	342	31	11.0	-0.1
September	308	25	12.3	464	29	16.0	3.7
October	249	24	10.4	438	30	14.6	4.2
November	75	15	75.0	145	19	7.6	2.6
December	17	7	2.4	22	10	2.2	-0.2

Source: National Observatory on Climate Change (Climate Outlook for 2019)

Hist Val: Historical Value

Note: Rainfall intensity is the volume of rainfall recorded per unit of time and per surface area unit. It accounts for the relationship between the height of rainfall and the number of rainy days. The intensity difference refers to the difference between the rainfall intensity for the year 2019 and the historical value of the rainfall intensity (1979 to 2018).

FIGURE 32: Distribution of rainfall (mm) in Cameroon in 2019



Source: National Observatory on Climate Change (Climate Outlook for 2019)

Average Hist. Value: Average Historical Value between 1979 and 2018

Note: The difference in the height of rainfall is the difference between the height of rainfall in 2019 and the historical value of the height of rainfall (1979 to 2018) rounded. For further information, please contact the source (National Observatory on Climate Change).

TABLE 138: Changes by region of the average monthly temperature (°C) for the year 2019 compared to the historical average monthly temperature (°C) from 1979 to 2018

MONTH REGIONS	January			February			March			April			May			June		
	Avg. Avg	Avg. 2019	Difference from T	Avg. Avg	Avg. 2019	Difference from T	Avg. Avg	Avg. 2019	Difference from T	Avg. Avg	Avg. 2019	Difference from T	Avg. Avg	Avg. 2019	Difference from T	Avg. Avg	Avg. 2019	Difference from T
Adamawa	24.1	25.1	1.0	26.0	24.8	-1.0	27.6	29.0	1.4	28.1	28.9	0.8	26.3	27.1	0.8	24.5	25.2	1.2
Centre	24.5	26.0	1.5	25.0	27.6	3.0	24.5	26.1	1.6	24.2	25.9	1.6	23.9	25.1	1.2	23.5	24.3	0.8
East	24.7	26.1	1.4	25.5	26.1	1.3	25.5	26.9	1.4	25.4	26.9	1.5	24.8	25.9	1.1	24.1	24.8	0.7
Far-North	24.9	25.4	0.6	27.6	26.4	-0.9	31.6	32.5	0.9	33.4	34.3	0.8	31.8	33.0	1.1	29.6	29.7	0.1
Littoral	24.9	26.3	1.4	25.2	28.0	3.3	24.7	26.6	1.8	24.7	26.6	1.8	24.2	26.0	1.8	23.3	25.2	1.9
North	24.9	25.4	0.6	27.6	26.4	-0.9	31.6	32.5	0.9	33.4	34.3	0.8	31.8	33.0	1.1	29.6	29.7	0.1
North-West	22.3	23.7	1.4	23.0	21.3	-1.5	22.7	24.9	2.2	22.5	23.6	1.2	21.8	22.6	0.9	20.6	21.8	1.2
West	22.6	23.9	1.3	23.0	24.4	1.4	22.6	24.9	2.2	22.5	23.9	1.5	21.9	23.1	1.3	20.8	22.3	1.5
South-West	25.6	26.8	1.2	26.2	26.5	1.0	25.7	27.0	1.2	25.7	27.1	1.4	25.2	26.6	1.4	24.2	25.4	1.1
South	25.4	26.5	1.1	26.0	26.0	0.5	25.5	26.8	1.3	25.4	27.1	1.7	25.0	26.3	1.4	24.3	25.4	1.1
MONTH REGION	July			August			September			October			November			December		
	Avg. Avg	Avg. 2019	Difference from T	Avg. Avg	Avg. 2019	Difference from T	Avg. Avg	Avg. 2019	Difference from T	Avg. Avg	Avg. 2019	Difference from T	Avg. Avg	Avg. 2019	Difference from T	Avg. Avg	Avg. 2019	Difference from T
Adamawa	23.8	24.6	0.8	23.5	24.6	1.1	23.8	24.8	1.1	24.6	24.8	0.2	24.7	26.0	1.4	24.1	23.6	-0.6
Centre	23.1	23.5	0.5	22.6	23.7	1.1	22.7	24.4	1.7	22.7	24.3	1.6	23.5	28.6	5.1	23.5	25.8	2.2
East	23.6	24.0	0.5	23.1	24.2	1.1	23.1	24.8	1.8	23.4	24.8	1.3	24.0	26.7	2.6	23.8	23.6	-0.2
Far-North	27.7	28.3	0.5	26.9	27.6	0.6	27.7	28.2	0.5	29.0	28.1	-0.9	27.7	29.1	1.4	25.1	22.1	-3.1
Littoral	22.5	24.3	1.8	22.6	24.1	1.5	22.9	25.0	2.1	22.8	25.0	2.2	23.9	25.7	1.8	25.2	26.6	1.4
North	27.7	28.3	0.5	26.9	27.6	0.6	27.7	28.2	0.5	29.0	28.1	-0.9	27.7	29.1	1.4	25.1	22.1	-3.0
North-West	20.5	21.4	0.9	20.2	21.6	1.3	20.5	21.9	1.4	20.8	21.7	0.9	21.5	22.5	1.0	23.6	19.4	-4.3
West	20.4	21.8	1.4	20.2	21.9	1.6	20.7	22.4	1.7	20.7	22.1	1.4	21.6	23.0	1.3	22.2	22.4	0.2
South-West	23.7	24.7	1.0	23.7	24.5	0.9	23.8	25.4	1.6	23.8	25.4	1.5	24.8	26.1	1.3	25.8	25.4	-0.3
South	23.8	24.7	0.9	23.6	24.9	1.4	23.5	25.6	2.1	23.7	25.4	1.8	24.5	27.0	2.5	24.8	23.9	-0.9

Source: National Observatory on Climate Change (Climate Outlook for 2019)

Hist. Avg: (Historical average from 1979 to 2018), Avg 2019: (Average in 2019), Difference from T: (Average temperature difference)

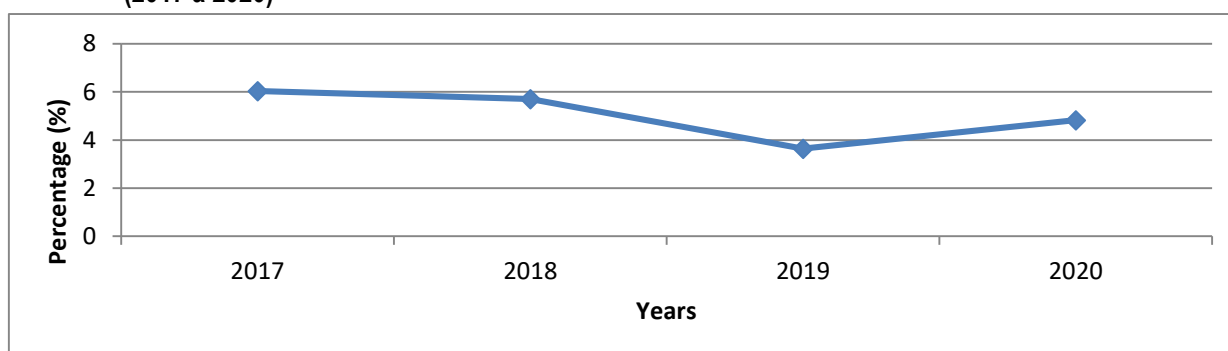
2. STRENGTHENING THE FOOD AND NUTRITIONAL SECURITY OF VULNERABLE POPULATIONS

2.1. PREVALENCE OF FOOD INSECURITY

As defined by the SDGs, the Food Insecurity Prevalence Rate measures the percentage of individuals in the population who experienced moderate or severe food insecurity during the reference period.

Regarding the calculation method or any other technical information, please contact the source National Food Security Monitoring and Strengthening Project (Harmonised Framework).

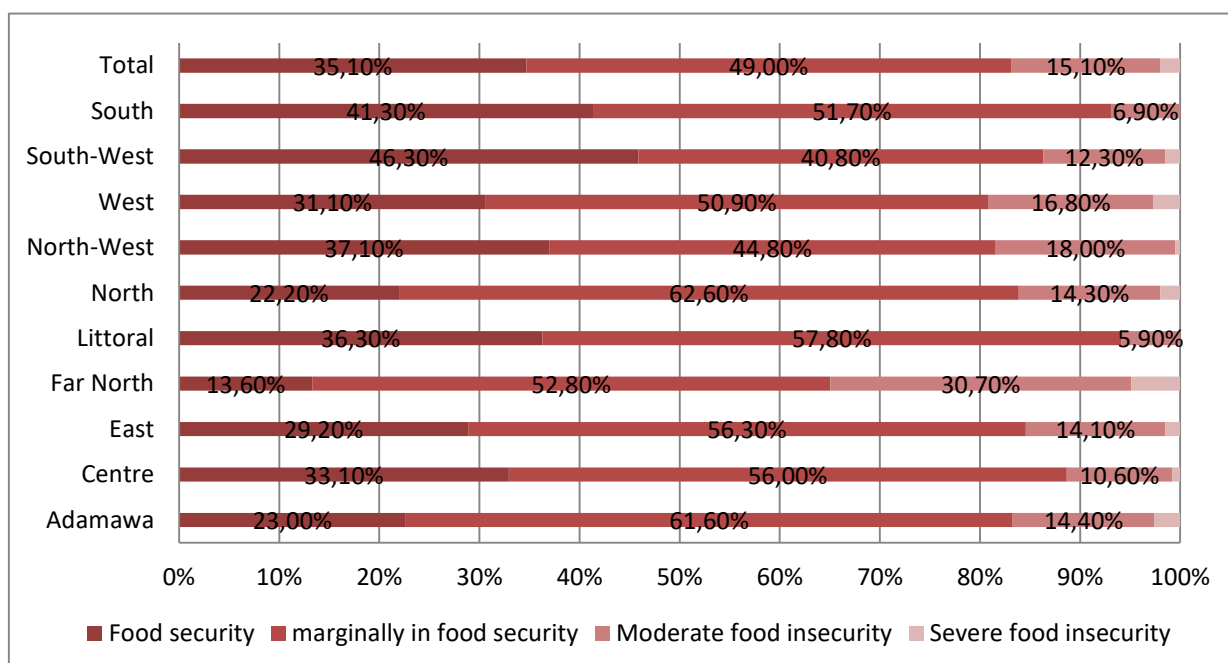
FIGURE 33: Trends in the percentage (%) of the national population affected by food insecurity (2017 à 2020)



Source: MINADER (Annual Performance Reports)

Note: The exact values for this indicator may be found in appendix 21.

FIGURE 34: Percentage of households by food security status in 2017(%)



Source: MINADER, WFP, Crop and Food Supply Assessment Mission 2017 Final report

139: Description of the different phases in the analysis on the prevalence of food insecurity

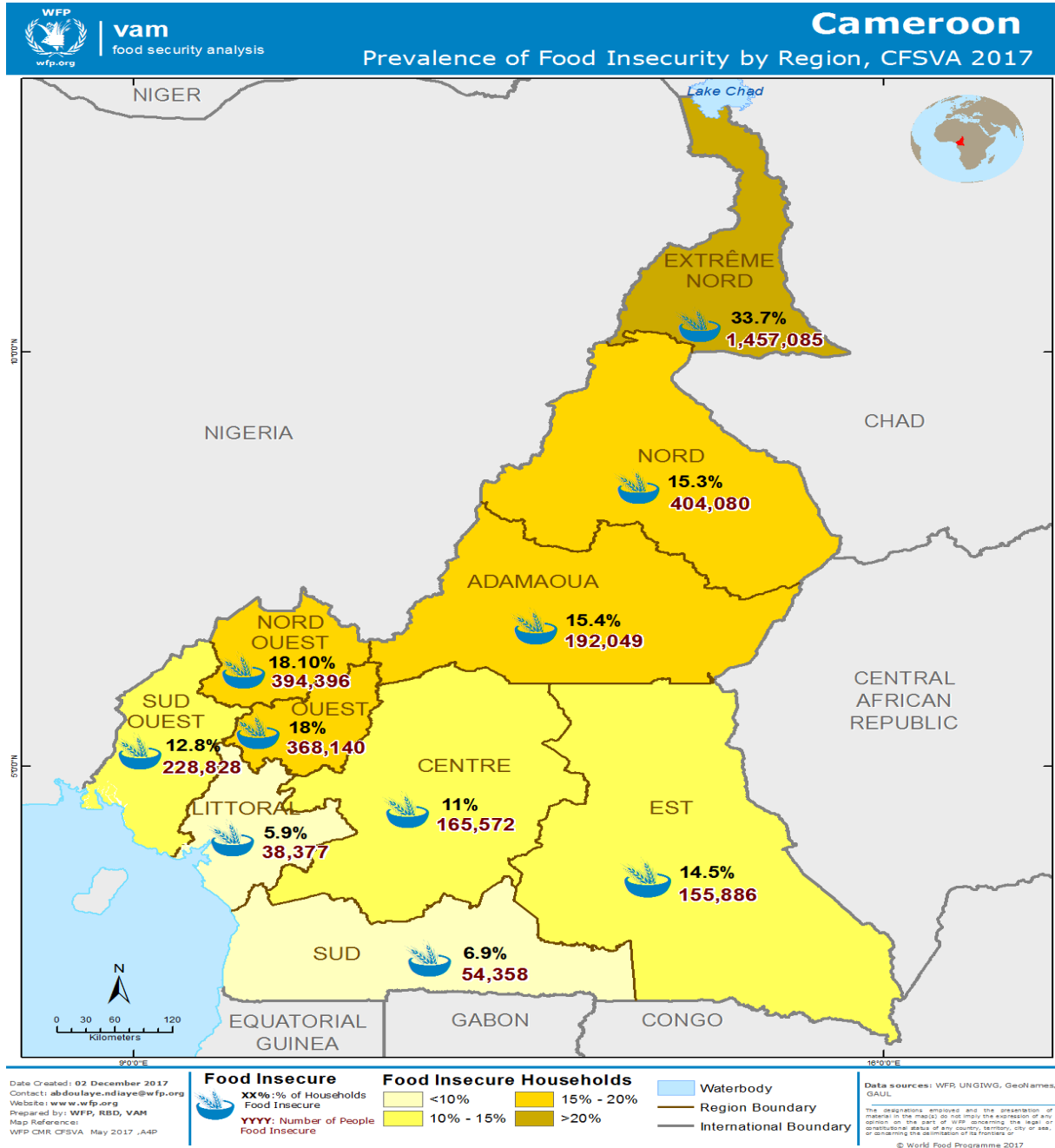
Phase names	Phase 1 None/Minimal	Phase 2 Under pressure	Phase 3 Crisis	Phase 4 Emergency	Phase 5 Disaster/Famine
Description of phases	Households are able to meet their basic food and non-food needs without engaging in atypical or unsustainable strategies to access food and income.	Households have adequate minimum food consumption but cannot afford certain non-food expenditure without engaging in stress coping strategies.	Households: have deficits in food consumption reflected by acute malnutrition that is high or above usual levels, Or Manage to meet basic food needs marginally but only by disposing of their major livelihood assets or employing crisis coping strategies.	Households: have significant food consumption deficits reflected in very high acute malnutrition and excess mortality, Or Are able to reduce significant food deficits but only by using emergency coping strategies and liquidating their assets.	Households are in dire need of food and/or what is needed to meet their other basic needs despite maximum use of coping strategies. Critical levels of starvation, death, deprivation and acute malnutrition are evident. (For Famine phase classification, the area must have extremely critical levels of acute malnutrition and mortality)
Priority intervention objectives	Action required to build resilience and reduce disaster risk.	Action required to reduce disaster risk and protect livelihoods.	Protecting livelihoods, preventing malnutrition and deaths.	Saving lives and livelihoods.	Prevent large-scale deaths and avoid total collapse of livelihoods.
Food consumption	HDDS >= 5 group ASC: Acceptable and stable consumption HHS: nil Score = 0 rCSI: 0 - 3 HEA ⁹ : DPME = 0%	HDDS: 4 groups ASC: Consumption acceptable but deteriorating HHS: low Score = 1 rCSI: 4 - 18 HEA: DPME < 80%	HDDS: 3 groups ASC: Protecting livelihoods, preventing malnutrition and deaths. HHS: moderate Score = 2 - 3 HEA: DPME ≥ 80% or DS < 20%	HDDS: 2 groups ASC: Saving lives and livelihoods. HHS: severe Score = 4 rCSI: 0 - 3 ≥ 19 HEA: DPME ≥ 20% or DS < 50%	HDDS: 0 – 1 group ASC: Preventing large-scale deaths and avoiding total collapse of livelihoods. HHS: very severe Score = 5 - 6 HEA ⁹ : DS: 50%

Phase names	Phase 1 None/Minimal	Phase 2 Under pressure	Phase 3 Crisis	Phase 4 Emergency	Phase 5 Disaster/Famine
Trends in livelihoods	At least 80% of households have not implemented any negative coping strategies.	At least 20% of households have implemented stress or worse coping strategies and less than 20% have implemented crisis or emergency coping strategies	At least 20% of households have implemented crisis or worse coping strategies and less than 20% have implemented emergency coping strategies	At least 20% of households have implemented emergency coping strategies	ND
Nutritional status	Global acute malnutrition: < 5% BMI prevalence < 18.5 kg/m ² : < 5%	Global acute malnutrition: 5-10% BMI prevalence < 18.5 kg/m ² : 5-9.9%	Global acute malnutrition: 10-15% BMI prevalence < 18.5 kg/m ² : 10-19.9%	Global acute malnutrition: 5-30% BMI prevalence < 18.5 kg/m ² : 20-39.9%	Global acute malnutrition: ≥30% BMI prevalence < 18.5 kg/m ² : ≥40%

Source: National Food Security Monitoring and Strengthening Project, 2018 Harmonised Framework

2.2. ESTIMATED POPULATIONS BY PHASE OF FOOD INSECURITY IN EACH REGION ANALYSED 2017

MAP 2: PREVALENCE OF FOOD INSECURITY BY REGION IN 2017



Source: MINADER, WFP, CFSVA 2017 Final report

2.3. ESTIMATED POPULATIONS BY PHASE OF FOOD INSECURITY IN EACH REGION ANALYSED 2018

TABLE 140: Projected situation by phase of food insecurity by region (June-August 2018)

Regions	Estimated projected populations June-August 2018						
	Total population in Phase 1	Total population in Phase 2	Total population in Phase 3	Total population in Phase 4	Total population in Phase 5	Total population in Phase 3 to 5	% of Phase 3 to 5
Adamawa	... ⁸³	...	...	...	...	...	...
Centre	...	...	...	...	...	...	...
East	...	...	...	...	...	...	...
Far-North	...	...	...	...	...	...	...
Littoral	...	...	...	...	...	...	...
North	...	...	...	...	...	...	...
North-West	1,534,802.0	637,74.01	193,966.0	0.0	0.0	193,966.0	8.0
West	1,922,233.0	448,486.0	21,278.0	0.0	0.0	21,278.0	1.0
South-West	1,275,650.0	284,236.0	270,332.0	0.0	0.0	243,332.0	13.0
South	...	...	...	...	...	...	...
TOTAL	///⁸⁴	///	///	///	///	///	///

Source: National Food Security Monitoring and Strengthening Project (2018 Harmonised Framework)

Note: The Harmonisdd Framework analysis for food insecurity in 2018 was conducted only in the North-West, West and South-West regions. During the CFSVA baseline survey in 2017, only these areas were listed as areas at high risk of food insecurity.

TABLE 141: Current situation by phase of food insecurity by region (October - December 2018)

Regions	Total population	Population estimate for the current situation October - December 2018						(% Phase 3 to 5)
		Total population in Phase 1	Total population in Phase 2	Total population in Phase 3	Total population in Phase 4	Total population in Phase 5	Total population in Phase 3 to 5	
Adamawa	...	...	...	...	...	...	...	...
Centre	...	...	...	...	...	...	...	...
East	...	...	...	...	...	...	...	...
Far-North	...	...	...	...	...	...	...	...
Littoral	...	...	...	...	...	...	...	...
North	...	...	...	...	...	...	...	...
North-West	2,404,384.0	1,806,082.0	516,776.0	81,529.0	0.0	0.0	81,529.0	3.4
West	2,391,753.0	2,005,204.0	366,639.0	20,156.0	0.0	0.0	20,156.0	0.8
South-West	1,830,216.0	1,435,883.0	264,820.0	129,513.0	0.0	0.0	129,513.0	7.1
South	...	...	...	...	...	...	...	...
TOTAL	///⁸⁵	///	///	///	///	///	///	///

⁸³... Result not available

⁸⁴ /// Sum not justified

⁸⁵ /// Sum not justified

Source: National Food Security Monitoring and Strengthening Project (2018 Harmonised Framework)

Note: The Harmonised Framework analysis for food insecurity in 2018 was conducted only in the North-West, West and South-West regions.

2.4. ESTIMATED POPULATIONS BY PHASE OF FOOD INSECURITY IN EACH REGION ANALYSED 2019

TABLE 142: Current situation by phase of food insecurity by region (March - May 2019)

Regions	Total population	Population estimate for the current situation March - May 2019						
		Total population in Phase 1	Total population in Phase 2	Total population in Phase 3	Total population in Phase 4	Total population in Phase 5	Total population in Phase 3 to 5	(%) Phase 3 to 5
Adamawa	1,275,580.0	1,090,535.2	180,428.2	4,616.6	0.0	0.0	4,616.6	0.4
Centre	... ⁸⁶	...	...	...	...	...	...	...
East	8,506.0	705,312.0	94,704.5	50,619.5	0.0	0.0	50,619.4	6.0
Far-North	4,267,910.0	3,486,987.4	602,315.7	178,606.9	0.0	0.0	178,606.9	4.2
Littoral	...	...	...	...	...	...	...	...
North	2,515,748.0	2,171,087.3	299,409.9	45,250.8	0.0	0.0	45,250.7	1.8
North-West	2,404,384.0	1,381,505.3	678,765.4	312,192.7	31,920.7	0.0	344,113.4	14.3
West	2,391,998.0	1,888,944.6	417,341.5	81,645.9	4,066.4	0.0	85,712.3	3.6
South-West	1,830,216.0	861,111.8	608,240.8	321,648.2	39,215.3	0.0	360,863.4	19.7
South	...	...	...	...	...	...	...	...
TOTAL	///⁸⁷	///	///	///	///	///	///	///

Source: National Food Security Monitoring and Strengthening Project (2019 Harmonised Framework)

Note: Analysis of the Harmonised Framework for Food Insecurity in 2019 was conducted in all regions except for the Centre, Littoral, and South regions.

⁸⁶ ... Result not available

⁸⁷ /// Sum not justified

TABLE 143: Projected situation by phase of food insecurity by region (June-August 2019)

Regions	Estimated projected populations June-August 2019						Percentage (%) Phase 3 to 5
	Total population in Phase 1	Total population in Phase 2	Total population in Phase 3	Total population in Phase 4	Total population in Phase 5	Total population in Phase 3 to 5	
Adamawa	1,174,320.0	144,773.0	18,576.0	0.0	0.0	18,576.0	1.4
Centre	... ⁸⁸	...	...	...	...	...	...
East	780,637.0	89,741.0	7,587.0	0.0	0.0	7,587.0	0.9
Far-North	2,525,521.0	1,527,862.0	297,351.0	26,934.0	0.0	324,285.0	7.4
Littoral	...	...	...	...	...	...	...
North	2,171,268.0	458,927.0	69,590.0	0.0	0.0	69,590.0	2.6
North-West	1,122,786.0	985,763.0	335,433.0	37,628.0	0.0	373,060.0	15.0
West	2,101,350.0	327,890.0	39,517.0	0.0	0.0	39,517.0	1.6
South	...	...	...	...	...	...	...
South-West	1,087,797.0	516,875.0	229,784.0	78,550.0	0.0	272,585.0	14.2
TOTAL	///⁸⁹	///	///	///	///	///	///

Source: National Food Security Monitoring and Strengthening Project (2019 Harmonised Framework)

Note: Analysis of the Harmonised Framework for Food Insecurity in 2019 was conducted in all regions except for the Centre, Littoral, and South regions.

TABLE 144: Current situation by phase of food insecurity by region (October-December 2019)

Regions	Total population	Population estimate for the current situation October - December 2019						Percentage (%) Phase 3 to 5
		Total population in Phase 1	Total population in Phase 2	Total population in Phase 3	Total population in Phase 4	Total population in Phase 5	Total population in Phase 3 to 5	
Adamawa	1,338,081.0	1,125,496.0	188,976.0	23,609.0	0.0	0.0	23,609.0	1.8
Centre	... ⁹⁰	...	...	...	...	...	...	...
East	877,966.0	733,841.0	129,070.0	15,054.0	0.0	0.0	15,054.0	1.7
Far-North	4,377,668.0	3,054,544.0	1,090,190.0	214,324.0	18,610.0	0.0	232,934.0	5.3
Littoral	...	...	...	...	...	...	...	...
North	2,699,784.0	2,259,595.0	391,596.0	48,593.0	0.0	0.0	48,593.0	1.8
North-West	2,481,610.0	973,790.0	967,121.0	466,111.0	74,588.0	0.0	540,699.0	21.8
West	2,468,757.0	1,885,859.0	503,194.0	79,704.0	0.0	0.0	79,704.0	3.2
South-West	1,877,257.0	871,118.0	578,361.0	349,229.0	78,550.0	0.0	427,778.0	22.8
South	...	...	...	...	...	...	...	...
TOTAL	///⁹¹	///	///	///	///	///	///	///

Source: National Food Security Monitoring and Strengthening Project (2019 Harmonised Framework)

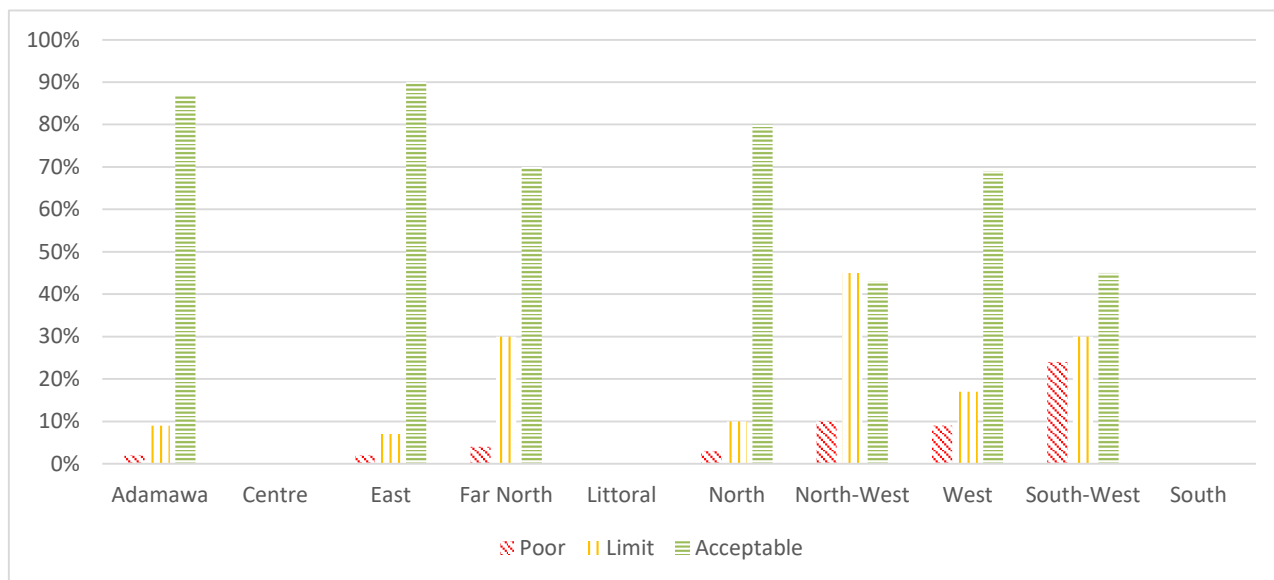
⁹⁰ ... Result not available

⁹¹ /// Sum not justified

Note: Analysis of the Harmonised Framework for Food Insecurity in 2019 was conducted in seven (07) regions, namely: Adamawa, East, Far-North, North, North-West, West and South-West.

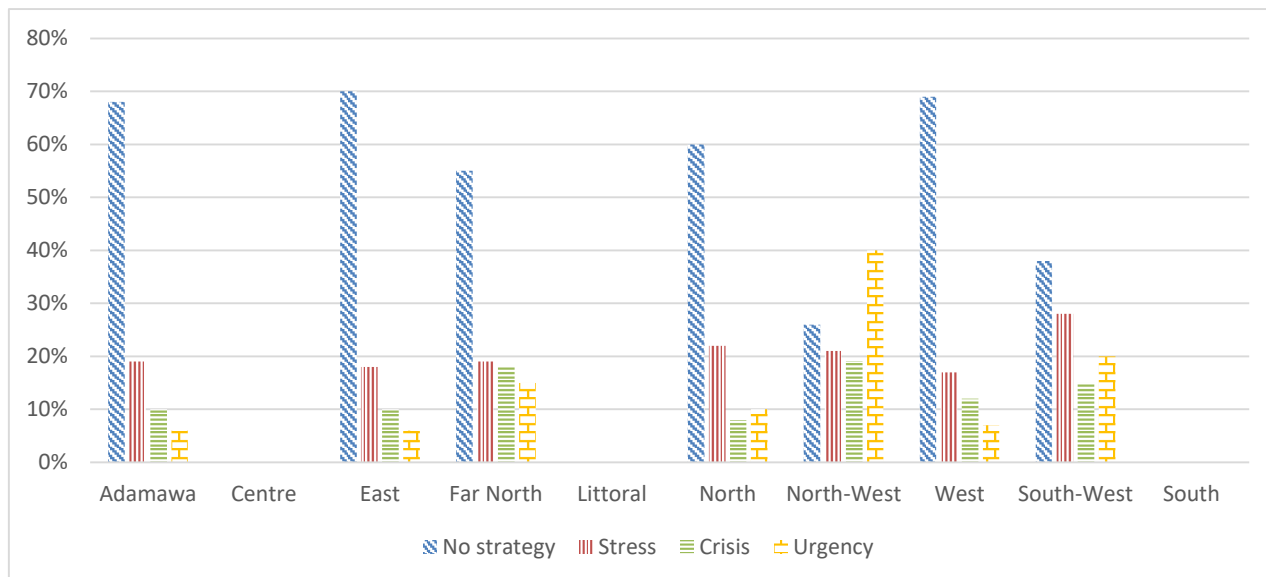
2.5. MAIN RESULTS FOR AREAS AFFECTED BY FOOD AND NUTRITION INSECURITY 2019

FIGURE 35: Food Consumption Score 2019 (%)



Source: National Food Security Monitoring and Strengthening Project (2019 Harmonised Framework)

FIGURE 36: Trends in Livelihoods by region in 2019



Source: National Food Security Monitoring and Strengthening Project (2019 Harmonised Framework)

TABLE 145: Current situation by phase of food insecurity by region (March - May 2020)

Regions	Total population	Population estimate for the current situation March - May 2020						Total Phase 3 to 5 (%)
		Total population in Phase 1	Total population in Phase 2	Total population in Phase 3	Total population in Phase 4	Total population in Phase 5	Total population in Phase 3 to 5	
Adamawa	1,338,082.0	1,139,808.0	155,248.0	43,026.0	0.0	0.0	43,026.0	3.0
Centre	877,966.0	652,623.0	175,388.0	4,995.0	0.0	0.0	49,955.0	6.0
East	4,377,667.0	2,195,661.0	1,651,521.0	462,097.0	68,388.0	0.0	530,485.0	12.0
Far-North	2,699,785.0	2,301,242.0	349,606.0	47,737.0	1,200.0	0.0	48,937.0	2.0
Littoral	2,481,628.0	711,172.0	1,169,348.0	514,640.0	86,468.0	0.0	601,109.0	24.0
North	2,468,847.0	1,584,281.0	695,940.0	178,024.0	10,602.0	0.0	188,626.0	8.0
North-West	1,889,016.0	531,408.0	955,341.0	327,823.0	74,354.0	0.0	402,177.0	21.0
West	4,446,736.0	3,330,346.0	1,034,879.0	81,511.0	0.0	0.0	81,511.0	2.0
South-West	3,541,641.0	1,701,136.0	1,197,330.0	643,175.0	61,431.0	0.0	704,606.0	20.0
South	910,944.0	788,265.0	122,679.0	0.0	0.0	0.0	0.0	0.0
TOTAL	25,032,312.0	14,935,549.0	7,507,280.0	2,347,988.0	302,443.0	0.0	2,650,432.0	11.0

Source: National Food Security Monitoring and Strengthening Project (2019 Harmonised Framework)

TABLE 146: Projected situation by phase of food insecurity by region (June-August 2020)

Regions	Estimated projected populations June-August 2020						Percent age (%) Phase 3 to 5
	Total population in Phase 1	Total population in Phase 2	Total population in Phase 3	Total population in Phase 4	Total population in Phase 5	Total population in Phase 3 to 5	
Adamawa	1,139,808.0	155,248.0	43,026.0	0.0	0.0	28,160	2
Centre	3,654,644.0	756,548.0	35,543.0	0.0	0.0	35,543.0	1
East	741,809.0	111,109.0	25,048.0	0.0	0.0	25,048.0	3
Far-North	1,857,091.0	1,878,714.0	522,996.0	88,870	0.0	641,863.0	15
Littoral	2,296,011.0	856,481.0	422,850	27,730	0.0	450,581.0	13
North	2,176,270	461,118.0	59,997.0	2,400	0.0	62,397.0	2
North-West	877,985.0	1,121,800	433,307.0	48,538.0	0.0	481,845.0	19
West	2,020,452.0	349,700	98,695.0	0.0	0.0	98,695.0	4
South	805,422.0	105,522.0	0.0	0.0	0.0	0.0	0.0
South-West	732,546.0	854,488.0	256,954.0	45,028.0	0.0	301,982.0	16
TOTAL	16,302,038.0	6,650,728.0	1,898,416.00	212,566.00	0.0	2,126,114.0	8

Source: National Food Security Monitoring and Strengthening Project (2019 Harmonised Framework)

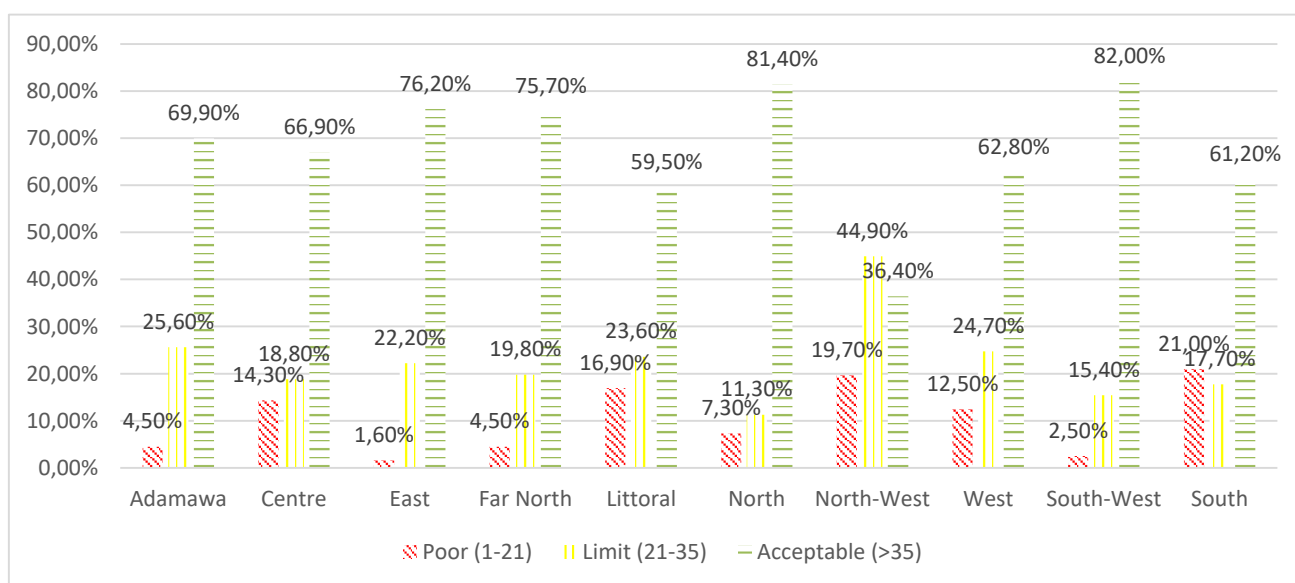
TABLE 147: Current situation by phase of food insecurity by region (October - December 2020)

Regions	Total population	Population estimate for the current situation October - December 2020						Total population in Phase 3 to 5	(% Phase 3 to 5)
		Total population in Phase 1	Total population in Phase 2	Total population in Phase 3	Total population in Phase 3	Total population in Phase 5	Total population in Phase 3 to 5		
Adamawa	1,370,196.0	969,106.0	267,494.0	128,274.0	5,320.0	0.0	133,594.0	9.7%	
Centre	4,553,525.0	3,645,454.0	733,979.0	174,022.0	0.0	0.0	174,022.0	3.8%	
East	1,134,314.0	933,710.0	173,862.0	26,740.0	0.0	0.0	26,740.0	2.4%	
Far-North	4,482,731.0	2,499,063.0	1,353,881.0	616,228.0	13,560.0	0.0	629,788.0	14.0%	
Littoral	3,689,546.0	2,415,146.0	888,965.0	385,435.0	0.0	0.0	385,435.0	10.4%	
North	2,764,579.0	1,880,585.0	636,187.0	247,808.0	0.0	0.0	247,808.0	9.0%	
North-West	2,541,188.0	1,135,577.0	854,379.0	487,021.0	64,212.0	0.0	551,734.0	21.7%	
West	2,528,099.0	1,942,997.0	471,352.0	111,741.0	2,007.0	0.0	113,748.0	4.5%	
South-West	932,806.0	751,527.0	167,177.0	14,102.0	0.0	0.0	141,02.0	1.5%	
South	1,934,352.0	891,260.0	634,464.0	394,971.0	13,598.0	0.0	408,569.0	21.1%	
TOTAL	25,931,336.0	17,064,425.0	6,181,740.0	2,586,342.0	98,697.0	0.0	2,685,540.0	10.4%	

Source: National Food Security Monitoring and Strengthening Project (2019 Harmonised Framework)

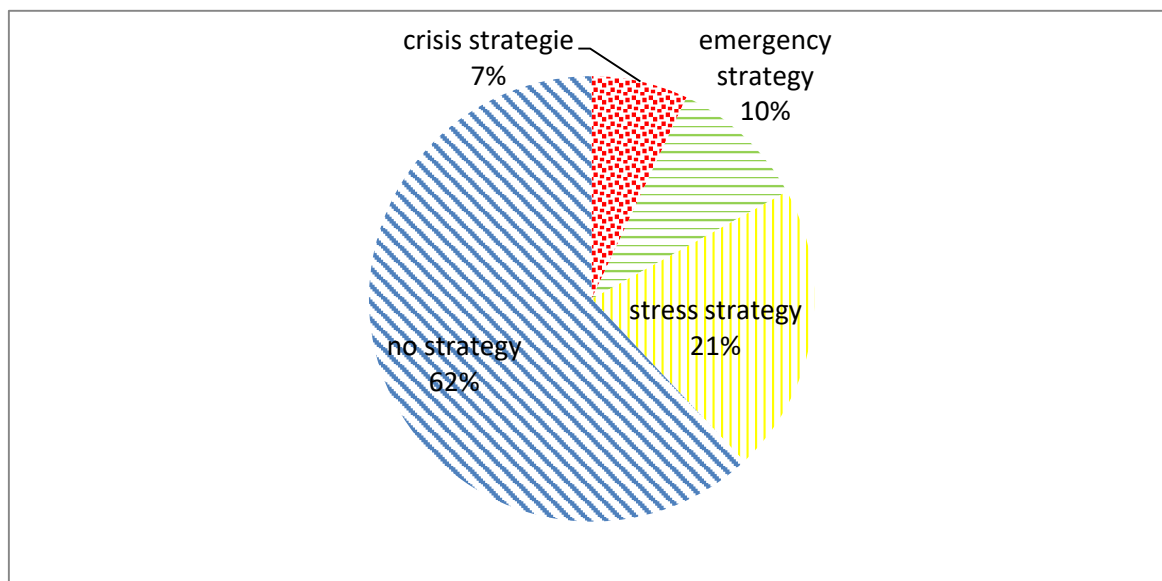
2.6. MAIN RESULTS FOR AREAS AFFECTED BY FOOD AND NUTRITION INSECURITY IN 2020

FIGURE 37: Food Consumption Score in 2020 by region



Source: National Food Security Monitoring and Strengthening Project (2020 Harmonised Framework)

FIGURE 38: National Simplified Survival Strategy Index 2020



Source: National Food Security Monitoring and Strengthening Project (2020 Harmonised Framework)

3. ACCESSIBILITY TO AGRICULTURAL PRODUCTS

This section reports, on the basis of available data, on trends in prices of the main agricultural crops in the regions of Cameroon.

Technical note:

Prices presented in this part are the prices on the agricultural markets collected from the Divisional Delegations of the Ministry of Agriculture and Rural Development for the years 2018 and 2019. For further information on these prices, please contact the source. The Average Annual Price (AAP) represents the simple arithmetic mean of the monthly prices.

TABLE 148: Trends in prices (CFA francs/Kg) of selected agricultural products in the Adamawa region

Products	Year	JAN	FEB	MAR	APR	MAY	JUN E	JUL	AUG	SEP	OCT	NOV	DEC	AAP
Groundnut	2018	471	394	517	570	563	565	640	629	599	526	523	502	542
	2019	543	548	576	635	642	652	702	690	678	620	623	629	628
Plantain tree	2018	250	250	250	250	250	250	250	250	250	250	250	250	250
	2019	271	271	271	271	313	313	313	313	313	334	334	334	304
Beans	2018	371	361	361	361	515	512	550	541	537	415	420	419	447
	2019	408	413	436	463	660	676	662	685	705	622	597	580	575
Palm oil (CFA francs/Litre)	2018	700	700	700	700	700	700	700	700	700	700	700	700	700
	2019	700	700	650	650	650	650	650	650	650	650	650	650	658
Maize	2018	133	134	141	148	151	157	155	142	133	111	109	107	135
	2019	133	136	146	152	166	171	170	158	152	151	149	127	151
Cassava	2018	161	161	164	157	152	164	174	172	164	149	149	147	159
	2019	147	149	153	164	169	186	174	173	165	155	155	150	162
Onion	2018	315	260	255	273	300	307	325	432	551	701	701	701	426
	2019	451	275	260	257	297	332	397	418	425	751	751	727	445
Potato	2018	300	300	300	270	270	270	300	300	300	300	300	300	293
	2019	385	385	385	385	385	385	300	300	300	300	300	300	343
Rice	2018	139	139	139	139	139	139	139	139	139	139	139	139	139
	2019	139	139	139	139	139	139	167	167	167	167	167	167	153
Sorghum/millet	2018	197	205	205	207	228	260	238	243	229	193	178	177	213
	2019	198	207	207	203	169	143	164	205	265	259	226	189	203
Tomato	2018	165	165	165	165	165	165	165	165	165	165	165	165	165
	2019	245	254	308	308	280	287	262	268	294	265	337	365	289

Source: DESA/MINADER

AAP: Average Annual Price

TABLE 149: Trends in prices (CFA francs/Kg) of selected agricultural products in the Centre region

Products	Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AAP
Groundnut	2018	429	447	441	441	441	420	399	389	389	389	399	399	415
	2019	430	430	430	430	430	430	430	430	430	430	430	430	430
Plantain tree	2018	160	160	160	164	169	165	164	168	168	160	157	160	163
	2019	164	164	169	174	179	179	180	182	186	179	326	158	187
Beans	2018	458	458	458	458	458	458	458	458	458	458	458	458	458
	2019	483	483	483	483	483	483	483	483	483	933	483	483	521
Palm oil (CFA francs/Litre)	2018	652	612	617	617	640	652	663	663	663	675	675	675	650
	2019	663	612	612	617	634	646	663	663	663	675	675	675	650
Maize	2018	350	339	357	368	380	354	319	346	368	379	343	345	354
	2019	345	347	368	390	414	422	355	346	357	385	341	328	366
Cassava	2018	273	273	271	271	279	278	283	285	291	284	282	285	280
	2019	195	195	196	193	206	204	202	203	203	184	193	193	197
Onion	2018	750	750	750	750	625	625	625	625	750	688	688	688	693
	2019	667	667	667	667	667	667	667	667	667	667	667	667	667
Potato	2018	225	225	225	213	200	200	213	208	213	225	225	225	216
	2019	225	225	225	225	213	200	200	208	213	225	225	225	217
Rice	2018	471	471	471	471	471	471	471	471	471	471	471	471	471
	2019	440	440	440	440	440	440	440	440	440	440	440	440	440
Sorghum/millet	2018	500	500	500	500	500	500	500	500	500	500	500	500	500
	2019	500	500	500	500	500	500	500	500	500	500	500	500	500
Tomato	2018	506	522	530	530	538	474	474	482	466	470	490	490	498
	2019	513	555	561	561	568	487	459	452	438	442	472	472	498

Source: DESA/MINADER

AAP: Average Annual Price

TABLE 150: Trends in prices (CFA francs/Kg) of selected agricultural products in the East region

Product	Year	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	AAP
Groundnut	2018	544	544	667	667	595	528	528	528	505	505	539	528	556
	2019	567	567	667	733	739	506	506	495	495	495	495	495	563
Plantain tree	2018	217	228	228	217	206	206	239	239	239	239	239	239	228
	2019	211	211	211	217	217	217	211	211	211	217	167	211	209
Beans	2018	767	767	767	767	767	767	733	733	733	733	733	767	753
	2019	767	744	744	744	756	756	744	744	744	744	744	778	751
Palm Oil (CFA francs /Litre)	2018	788	788	738	738	750	750	763	763	763	763	763	788	763
	2019	838	838	788	788	800	800	813	813	813	813	813	838	813
Maize	2018	127	132	155	155	155	150	150	133	133	125	143	150	142
	2019	138	143	166	169	179	179	162	133	130	130	151	155	153
Cassava	2018	324	330	374	374	374	368	399	393	424	424	424	424	386
	2019	383	392	450	450	450	433	508	600	658	617	633	617	516
Onion	2018	667	667	667	667	667	667	667	667	667	667	667	667	667
	2019	717	717	717	717	717	717	717	717	717	717	717	717	717
Potato	2018	358	358	358	358	358	358	325	325	325	325	317	350	343
	2019	358	350	350	350	350	350	317	317	317	317	317	350	337
Rice	2018	393	398	398	398	398	398	398	398	398	398	400	400	398
	2019	393	398	398	398	398	398	398	398	398	398	400	400	398
Tomato	2018	556	556	556	556	556	556	556	556	556	722	722	722	597
	2019	556	556	556	556	556	556	556	556	556	722	722	722	597

Source: DESA/MINADER

AAP: Average Annual Price

TABLE 151: Trends in prices (CFA francs/Kg) of selected agricultural products in the Far-North region

Product	Year	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	AAP
Groundnut	2018	484	496	518	515	521	525	568	565	541	460	459	419	506
	2019	483	510	531	519	594	517	557	561	520	495	487	450	519
Beans	2018	392	425	442	461	482	477	543	583	434	385	357	237	435
	2019	273	416	432	444	468	440	501	541	380	392	343	208	403
Maize	2018	218	210	217	220	225	227	211	200	176	164	160	147	198
	2019	166	177	175	174	176	174	190	189	161	147	154	145	169
Cassava	2018	238	222	267	311	293	405	208	230	292	282	293	297	278
	2019	186	200	200	240	225	260	244	188	194	210	212	207	214
Onion	2018	389	365	330	381	373	439	552	784	745	133	129	107	672
	2019	459	427	342	378	394	501	569	635	715	798	987	107	607
Potato	2018	367	454	300	367	384	480	82	127	213	223	280	280	296
	2019	367	454	300	367	384	480	82	127	213	223	280	280	296

	2019	374	450	396	367	500	480	207	120	114	233	297	307	320
Rice	2018	897	917	925	917	911	898	891	921	881	883	852	994	907
	2019	878	886	884	890	890	890	862	870	857	857	845	986	883
	2018	196	199	209	217	224	225	219	211	161	150	138	141	191
Sorghum/millet	2019	133	133	140	134	137	132	142	149	130	113	107	116	130
	2018	248	259	268	473	745	873	713	820	371	696	605	375	537
Tomato	2019	224	189	284	357	555	562	658	614	380	371	365	361	410

Source: DESA/MINADER

AAP: Average Annual Price

TABLE 152: Trends in prices (CFA francs/Kg) of selected agricultural products in the Littoral region

Products	Years	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	AAP
Groundnut	2018	445	448	456	472	480	480	513	506	503	470	465	448	474
	2019	452	447	459	458	465	469	469	468	472	465	447	447	460
Plantain tree	2018	180	180	171	180	180	180	188	188	188	188	188	180	182
	2019	178	180	172	175	175	184	184	194	194	193	193	183	184
Beans	2018	438	531	563	531	531	531	531	531	531	531	500	500	521
	2019	438	531	563	531	531	531	531	531	531	531	500	500	521
Palm oil (CFA francs/Litre)	2018	669	638	631	644	631	631	631	656	669	681	681	656	652
	2019	675	656	650	656	656	675	675	700	713	738	719	706	685
Maize	2018	234	243	253	255	269	269	267	267	267	250	250	250	256
	2019	264	254	254	268	279	279	279	284	278	279	266	266	271
Cassava	2018	128	128	128	131	131	143	141	141	141	147	147	141	137
	2019	146	141	143	141	141	143	143	143	141	141	141	141	142
Potato	2018	275	275	300	275	250	225	225	225	225	225	225	225	246
	2019	250	250	275	275	250	200	200	225	225	225	225	250	238
Rice	2018	500	500	500	500	500	500	400	400	400	400	500	500	467
	2019	420	420	420	420	420	440	440	440	430	420	420	420	426
Tomato	2018	283	256	231	237	221	246	269	327	240	250	292	275	260
	2019	275	256	240	265	221	221	267	327	269	256	300	292	266

Source: DESA/MINADER

AAP: Average Annual Price

TABLE 153: Trends in prices (CFA francs/Kg) of selected agricultural products in the North region

Products	Years	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	AAP
Groundnut	2018	342	375	377	360	383	385	421	421	363	283	299	308	360
	2019	302	318	318	308	332	333	346	298	323	295	286	292	313
Beans	2019	300	300	310	320	350	350	350	350	350	350	350	350	336
Maize	2018	125	147	143	143	139	131	126	119	111	120	115	116	128
	2019	110	118	120	127	134	128	121	119	115	118	118	109	120
Cassava	2018	188	220	181	181	204	195	223	227	210	153	155	160	191
	2019	236	287	181	160	165	705	260	204	226	196	204	234	255
Onion	2018	250	217	167	177	207	253	360	467	612	168	327	270	289
	2019	223	200	210	177	223	250	310	367	383	550	157	438	291
Potato	2018	120	120	120	130	140	140	150	150	150	125	125	125	133

	2019	140	135	140	140	140	140	150	150	150	150	120	120	140
Rice	2018	123	137	144	142	155	152	160	102	97	142	131	135	135
	2019	128	123	130	135	157	146	142	152	87	131	126	123	132
Sorghum /millet	2018	138	148	160	167	154	149	160	156	143	145	139	125	148
	2019	121	130	133	127	138	138	138	140	135	119	120	123	130
Tomato	2018	500	500	500	500	500	500	500	400	400	500	500	500	483
	2019	500	500	500	500	500	500	500	400	400	500	500	500	483

Source: DDADER, DESA (Administrative survey for the development of Agristat)

AAP: Average Annual Price

TABLE 154: Trends in prices (CFA francs/Kg) of selected agricultural products in the North-West region

Products	Years	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	AAP
Groundnut	2018	560	560	560	560	560	530	530	530	500	470	470	470	525
	2019	530	530	530	530	530	530	440	440	440	440	450	450	487
Plantain tree	2018	234	234	234	250	250	234	184	167	167	184	184	184	208
	2019	192	192	192	209	209	209	192	182	165	157	157	157	184
Beans	2018	387	227	227	273	273	273	273	227	227	227	227	227	256
	2019	318	318	318	318	318	318	273	273	273	273	295	295	299
Palm oil (CFA francs/Litre)	2018	573	548	498	473	460	506	518	518	518	543	498	523	514
	2019	568	568	518	518	493	493	518	518	518	543	543	568	531
Maize	2018	192	125	120	130	130	218	218	218	110	192	192	192	170
	2019	150	163	175	175	175	165	153	153	140	140	145	145	156
Cassava	2018	80	100	100	100	100	100	100	70	80	70	70	70	87
	2019	90	90	90	90	90	90	80	80	80	80	80	80	85
Potato	2018	224	139	167	167	167	167	139	139	215	215	215	224	182
	2019	215	111	111	111	148	111	83	83	83	111	111	111	116
Rice	2018	340	340	340	340	350	350	370	370	370	360	340	340	351
	2019	360	360	360	360	360	360	380	380	380	370	345	345	363
Tomato	2018	275	160	160	180	180	180	200	200	289	200	180	160	197
	2019	267	160	160	240	240	240	240	280	267	180	180	160	218

Source: DDADER, DESA (Administrative survey for the development of Agristat)

AAP: Average Annual Price

TABLE 155: Trends in prices (CFA francs/Kg) of selected agricultural products in the West region

Products	Years	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	AAP
Groundnut	2018	409	443	458	456	520	492	412	472	497	522	522	347	462
	2019	416	442	465	503	433	465	408	458	490	505	505	355	454
Plantain tree	2018	140	149	183	192	200	138	183	208	241	162	179	209	182
	2019	133	155	181	205	219	192	165	164	180	199	194	245	186
Beans	2018	375	398	450	440	492	504	485	495	502	510	521	523	475
	2019	379	412	467	442	523	526	479	525	521	597	575	619	505
Palm oil (CFA francs/Litre)	2018	513	508	511	517	517	542	536	538	544	519	544	573	530
	2019	513	521	517	517	529	554	542	525	525	531	556	573	534
Maize	2018	151	162	166	178	192	191	168	156	162	156	164	157	167
	2019	162	172	174	179	512	206	167	156	166	174	179	181	202
Cassava	2018	109	115	159	152	148	147	161	167	133	158	161	178	149
	2019	132	133	163	152	158	162	165	164	136	132	135	138	147
Onion	2018	439	426	417	411	433	344	344	322	383	422	544	400	407
	2019	333	338	333	333	344	381	398	398	459	481	481	422	392

Potato	2018	251	257	322	356	326	304	241	240	271	283	292	296	286
	2019	259	266	358	390	345	334	256	261	285	291	292	296	303
Rice	2018	370	365	368	318	342	337	351	347	341	326	338	338	345
	2019	366	370	376	320	342	335	300	300	304	332	338	338	335
Tomato	2018	240	321	310	321	272	266	288	352	393	303	293	312	306
	2019	248	274	248	333	295	265	247	266	318	261	258	265	273

Source: DESA/MINADER

AAP: Average Annual Price

TABLE 156: Trends in prices (CFA francs/Kg) of selected agricultural products in the South region

Products	Years	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	AAP
Groundnut	2018	485	485	525	475	550	575	575	585	585	550	500	525	535
	2019	485	485	525	475	540	575	575	585	585	585	500	525	537
Plantain tree	2018	252	252	258	264	252	246	258	264	264	252	252	296	259
	2019	246	246	258	264	252	246	246	264	264	252	258	308	259
Beans	2018	617	617	667	650	633	667	683	700	693	683	683	700	666
	2019	617	617	667	650	640	667	683	700	683	683	683	700	666
Palm oil (CFA francs/Litre)	2018	575	550	575	550	575	550	550	550	575	600	600	600	571
	2019	575	550	550	550	575	550	550	550	575	613	600	600	570
Maize	2018	237	247	255	288	298	292	239	233	226	253	263	266	258
	2019	262	272	280	313	309	314	264	253	253	276	288	291	281
Cassava	2018	137	152	155	142	145	145	167	167	165	142	145	145	150
	2019	142	152	155	142	145	145	167	162	167	142	145	145	151
Onion	2018	275	290	290	210	215	230	285	290	300	550	600	550	340
	2019	305	315	325	235	235	250	310	315	325	575	625	585	367
Potato	2018	322	322	322	333	311	289	289	278	278	322	322	322	309
	2019	311	311	333	344	322	300	289	278	289	322	202	322	454
Rice	2018	405	405	405	405	405	405	405	405	405	405	405	405	405
	2019	430	430	430	430	430	430	430	430	430	430	430	431	430
Tomato	2018	440	380	290	260	310	300	220	360	540	440	350	290	348
	2019	430	370	300	260	300	300	220	380	500	440	350	300	346

Source: DDADER, DESA (Administrative survey for the development of Agristat)

AAP: Average Annual Price

TABLE 157: Trends in prices (CFA francs/Kg) of selected agricultural products in the South-West region

Products	Years	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	AAP
Groundnut	2018	313	313	313	313	313	313	313	313	313	313	313	313	313
	2019	250	250	250	250	250	250	250	250	250	250	250	250	250
Plantain tree	2018	158	158	150	141	141	141	141	141	141	141	141	134	144
	2019	145	145	145	137	145	145	145	145	147	145	145	137	144
Beans	2018	312	312	312	312	312	312	312	312	312	312	312	312	312
	2019	309	309	309	309	309	309	309	309	309	309	309	309	309
Palm oil (CFA francs/Litre)	2018	546	546	546	546	546	546	546	546	546	546	546	565	548
	2019	512	512	512	512	512	512	567	512	512	512	512	512	516
Maize	2018	235	235	237	235	235	220	226	226	229	235	234	231	231
	2019	248	248	251	248	248	243	248	248	238	248	246	242	246
Cassava	2018	100	100	100	100	100	100	100	100	100	100	100	100	100
	2019	85	85	85	85	85	85	85	85	85	85	85	85	85
Onion	2018	233	233	233	233	233	233	233	233	233	233	233	233	233

	2019	200	200	200	200	200	200	200	200	200	200	200	200	200
Potato	2018	291	291	301	301	301	280	258	258	270	280	280	287	283
	2019	288	288	319	319	319	288	262	258	272	288	288	294	290
Tomato	2018	353	382	353	365	353	353	353	353	341	353	365	382	359
	2019	324	353	324	353	324	341	353	365	353	365	382	412	354

Source: DESA/MINADER

AAP: Average Annual Price

TABLE 158: Trends in prices (CFA francs/Kg) of selected agricultural products from 2018 to 2019 by region

REGION	Years	Ground nut	Plantain tree	Beans	Palm oil (CFA francs/Litre)	Maize	Cassava	Onion	Potato	Rice	Sorghum/millet	Tomato
Adamawa	2018	542	250	447	700	135	159	426	293	139	213	165
	2019	628	304	575	658	151	162	445	343	153	203	289
Centre	2018	415	163	458	650	354	280	693	216	471	500	498
	2019	430	187	521	650	366	197	667	217	440	500	498
East	2018	556	228	753	763	142	386	667	343	398	... ⁹²	597
	2019	563	209	751	813	153	516	717	337	398	...	597
Far-North	2018	506	...	435	...	198	278	672	296	907	191	537
	2019	519	...	403	...	169	214	607	320	883	130	410
Littoral	2018	474	182	521	652	256	137	...	246	467	...	260
	2019	460	184	521	685	271	142	...	238	426	...	266
North	2018	360	...	336	...	128	191	289	133	135	148	483
	2019	313	...	...	...	120	255	291	140	132	130	483
North-West	2018	525	208	256	514	170	87	...	182	351	...	197
	2019	487	184	299	531	156	85	...	116	363	...	218
West	2018	462	182	475	530	167	149	407	286	345	...	306
	2019	454	186	505	534	202	147	392	303	335	...	273
South	2018	535	259	666	571	258	150	340	309	405	...	348
	2019	537	259	666	570	281	151	367	454	430	...	346
South-West	2018	313	144	312	548	231	100	233	283	...	...	359
	2019	250	144	309	516	246	85	200	290	...	...	354
AAP	2018	469	202	466	616	204	192	466	259	402	263	375
	2019	464	207	506	619	212	195	461	276	395	241	373

Source: DESA/MINADER

4. RESTORING AND SECURING LAND RESOURCES

TABLE 159: Proportion of producers with rights over agricultural land

Regions	2016	2017	2018	2019	2020
Adamawa	... ⁹³	...	...	...	...
Centre	...	...	...	...	...
East	...	...	...	...	...
Far-North	...	...	...	...	...
Littoral	...	...	...	...	...
North	...	...	10.00	10.00	10.00
North-West	...	...	...	...	...
West	15.00	15.00	17.00	17.00	18.00
South	0.33	0.72	0.17	0.41	0.39
South-West	...	...	...	...	...

Source: DDA/MINADER

⁹² ... Result not available⁹³ ... Result not available

TABLE 160: Proportion of producers with access to agricultural land (%)

Regions	2016	2017	2018	2019	2020
Adamawa	...	...	...	...	...
Centre	...	...	...	...	...
East	...	...	...	...	...
Far-North	...	...	...	...	...
Littoral	...	...	...	...	...
North	50	50	52	54	55
North-West	...	...	...	...	...
West	70	70	75	80	80
South	39	30	55	46	37
South-West	...	...	...	...	...

Source: DDA/MINADER

CHAPTER 5: CONTRIBUTION OF AGRICULTURE TO THE NATIONAL ECONOMY

Given that agriculture is a major sector of activity when analysing the structure of the Cameroonian economy, its real contribution to the national economy should be considered.

This will be done specifically through the highlighting of:

- contribution of the agriculture sub-sector to the economy;
- review of trade in agricultural products;
- analysis of the financing of agricultural activity in Cameroon.

Technical note:

The tables below are completed at the national level. For further information, please contact the sources of each table.

1. CONTRIBUTION OF THE AGRICULTURE SUB-SECTOR TO THE ECONOMY

TABLE 161: Annual growth rate of GDP in the primary sector and by branches of the sector (%)

Branches	2016	2017	2018	2019	2020
Food product agriculture	... ⁹⁴	4.6	3.5	2.6	2.4
Industrial and export agriculture	...	-4.7	2.5	5.0	-1.6
Animal production and hunting	4.4	3.6	3.8	2.5	5.4
Fishing and fish farming	4.2	5.8	6.1	-1.8	-2.5
Sylviculture and logging	4.0	3.2	2.1	1.1	7.6
Primary sector	2.5	2.5	3.8	3.9	0.6
GDP	4.5	3.5	4.0	3.5	0.5

Source: NIS (National accounts)

TABLE 162: Contribution of agriculture to real GDP growth (%)

Sector/branch	2016	2017	2018	2019	2020
Primary sector	5.0	3.2	5.1	2.8	-1.1
Food product agriculture	5.8	4.8	5.1	3.7	2.5
Industrial and export agriculture	6.6	-3.1	3.9	-0.1	-4.0
GDP	4.6	3.5	4.1	3.7	-2.6

Source: NIS, MINFI (RASIFEFIN 2021)

TABLE 163: Breakdown of real GDP per sector (in billion CFA francs)

Wording	2016	2017	2018	2019	2020
Primary sector	3,445.2	3,532.0	3,667.8	3,809.5	3,833.1
Food product agriculture	1,265.6	1,324.4	1,371.4	1,406.5	1,440.5
Industrial and export agriculture	719.6	685.7	702.8	737.8	725.7
GDP	20,038.6	20,748.2	21,568.9	22,318.4	22,428.2

Source: NIS (National accounts)

⁹⁴ ... Result not available

TABLE 164: GDP of agricultural branches (as a percentage of GDP)

Branches	2016	2017	2018	2019	2020
Primary sector	17.19	16.69	16.50	16.80	17.38
Food product agriculture	6.32	6.49	6.50	6.43	6.80
Industrial and export agriculture	3.59	2.87	2.84	3.01	3.04
GDP	100	100	100	100	100

Source: NIS (National accounts)

2. TRADE OF AGRICULTURE SUB-SECTOR PRODUCTS

TABLE 165: Volume of main agricultural products imported (tons)

Speculations	2016	2017	2018	2019	2020
Coffee, tea and spices	615	500	521	390	... ⁹⁵
Wheat and meslin	616,676	681,778	745,664	857,940	...
Maize	31,959	45,968	13,711	14,679	...
Rice	614,400	728,443	561,112	894,486	591,600
Refined cane or beet sugar	55,254	110,925	85,923	71,755	...
Rubber	...	...	29,400	28,300	35,300

Source: DGC, DP/MINFI (RASIEFIN 2021)

TABLE 166: Value of main agricultural products imported (million CFA francs)

Speculations	2016	2017	2018	2019	2020
Coffee, tea and spices	1,120	1,091	999	792	...
Wheat and meslin	90,848	103,735	115,918	142,870	...
Maize	5,519	5,801	3,588	2,241	...
Rice	143,636	183,726	144,121	231,831	159,900
Refined cane or beet sugar	17,623	35,519	23,954	19,114	...
Rubber	...	...	43,200	41,200	45,900

Source: DGC, DP/MINFI (RASIEFIN 2021)

TABLE 167: Volume of main agricultural products exported (tons)

Speculations	2016	2017	2018	2019	2020
Banana (including plantain)	295,180	275,717	217,177	184,370	191,700
Coffee	33,002	24,133	18,981	18,213	21,400
Arabica coffee	1,943	1,730	1,146	859	1,100
Robusta coffee	30,914	22,273	17,765	17,213	20,300
Palm oil	1,574	1,144	1,544	1,643	0
Raw cocoa beans	263,746	221,667	218,793	218,002	190,700
Cocoa paste	15,395	23,425	26,653	27,577	28,400
Cocoa butter	9,405	14,989	17,835	19,631	19,300
Raw cotton	101,427	101,893	113,623	130,061	123,900
Raw rubber	...	...	41,600	34,400	32,300

Source: DGC, DP/MINFI (RASIEFIN 2021)

⁹⁵ ... Result not available

TABLE 168: Value of main agricultural products exported (million CFA francs)

Speculations	2016	2017	2018	2019	2020
Banana (including plantain)	38,814	36,413	34,180	24,300	25,000
Coffee	28,804	23,935	18,870	14,675	15,800
Arabica coffee	3,021	2,631	1,504	979	0
Robusta coffee	25,453	21,027	17,116	13,319	14,400
Palm oil	1,395	951	1,247	1,473	0
Raw cocoa beans	397,206	234,099	233,423	288,862	246,600
Cocoa paste	35,369	41,094	40,661	44,167	50,700
Cocoa butter	21,241	26,491	27,470	34,183	36,200
Raw cotton	87,386	95,350	116,998	130,021	113,400
Raw rubber	... ⁹⁶	...	30,000	23,700	22,200

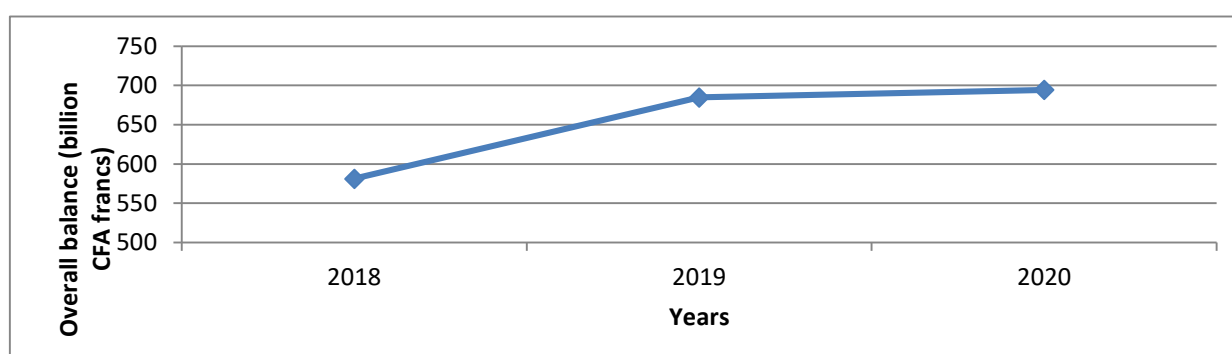
Source: DGC, DP/MINFI (RASIEFIN 2021)

TABLE 169: Balance of payments of the agriculture sub-sector (in billion CFA francs)

YEARS	2018	2019	2020
I-CURRENT BALANCE	633.1	680	661.9
1- Balance of goods	736.4	791.7	712.0
2- Balance of services	-103.1	-107.9	-48.9
3- Balance of primary income	-1.0	-3.7	-0.7
4- Balance of secondary income	0.7	-0.2	-0.5
II-EXTERNAL FINANCING	-52.0	4.7	32.3
1- Non-banking private sector	-52.0	4.7	32.3
Foreign Direct Investments (FDIs)	0.0	3.4	0.2
Portfolio Investments and Financial Derivatives (FDs)	0.0	0.0	0.0
Net drawings (excluding FDIs and FDs)	-52.0	1.3	32.2
2- Currency-creating banks	0.0	0.0	0.0
III- OVERALL BALANCE	581.2	684.7	694.3

Source: MINFI (RASIEFIN 2021)

FIGURE 39: Trends in overall balance of the balance of payments of the agriculture sub-sector (billion CFA francs)



Source: MINFI (RASIEFIN 2021)

⁹⁶ ...: Result not available

TABLE 170: Outlook on the prices of the main commodities exported by Cameroon

Wording	Units	History					Projections			
		2016	2017	2018	2019	2020	2021	2022	2023	2024
Cocoa	\$/kg	2.89	2.03	2.29	2.34	2.37	2.40	2.45	2.50	2.53
Arabica coffee	\$/kg	3.61	3.32	2.93	2.88	3.32	4.30	4.20	4.15	4.21
Robusta coffee	\$/kg	1.95	2.23	1.87	1.62	1.52	1.95	2.00	1.90	1.92
Crude palm oil	\$/mt	736	751	639	601	752	1,100	1,075	1,050	1,054
Banana	\$/kg	1.00	1.08	1.15	1.14	1.22	1.23	1.24	1.25	1.25
Cotton	\$/kg	1.64	1.84	2.01	1.72	1.59	2.10	2.20	2.15	2.16
Rubber	\$/kg	1.61	2.00	1.57	1.64	1.73	2.05	1.85	1.90	1.94

Source: World Bank

3. FINANCING OF THE SUB-SECTOR

TABLE 171: National budget and share of the budget of the Ministry of Agriculture and Rural Development

	2016	2017	2018	2019	2020
National budget (in billion CFA francs)	4,234.7	4,373.8	4513.5	4850.5	4,951.7
Share of MINADER budget in the national budget	2.60	2.55	1.92	1.75	1.83

Source: Cameroon Finance Law 2016, 2017, 2018, 2019, 2020; DESA/MINADER

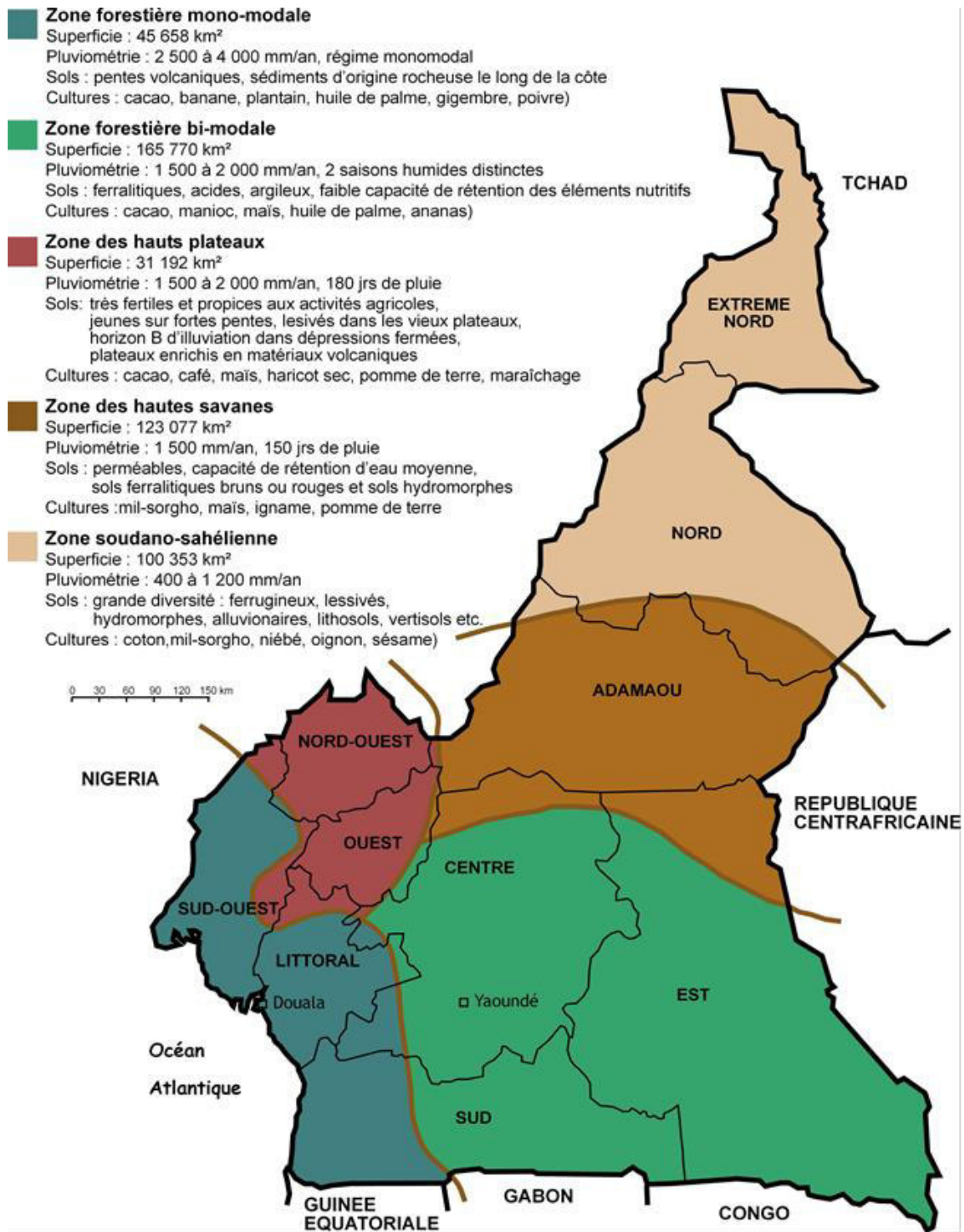
TABLE 172: Trends in investments by industrial enterprises (thousand CFA francs) in the agriculture and rural development sub-sector by branch of activity

Years	2016	2017	2018	2019	2020
Turnover	249,593,879	...	...

Source: NIS (Annual Enterprise Survey)

APPENDICES

TABLE 173: Appendix 1: Agro-climatic zones of Cameroon in 2017

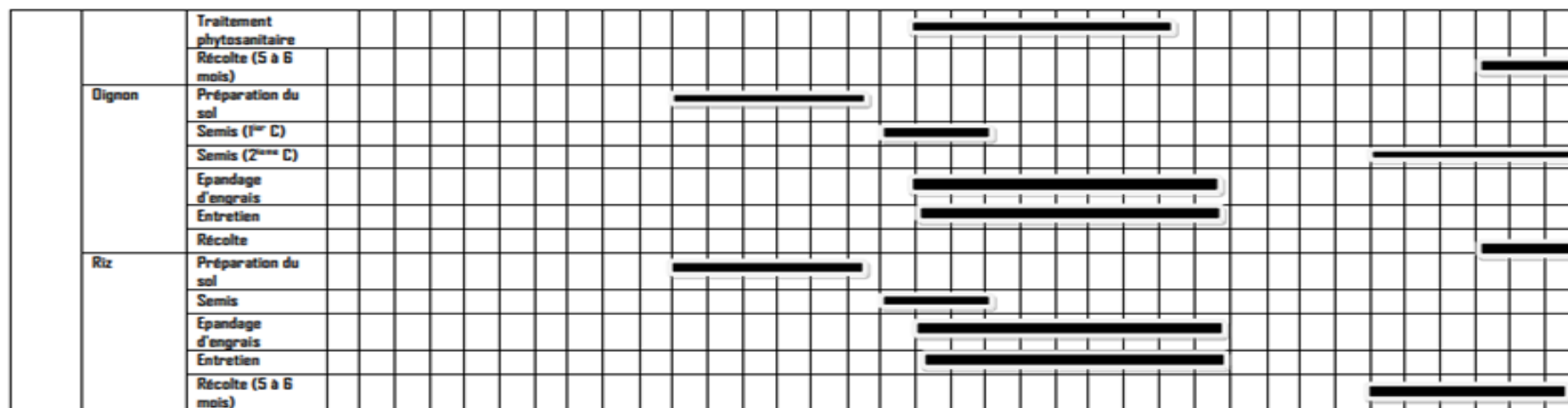


Source: IRAD (Community survey progress report, November 2017).

TABLE 174: Appendix 2: Seasonal calendar and monitoring of indicators

Schedule of agricultural activities of crops in the Sudano-Sahelian zone (Far-North and North regions)

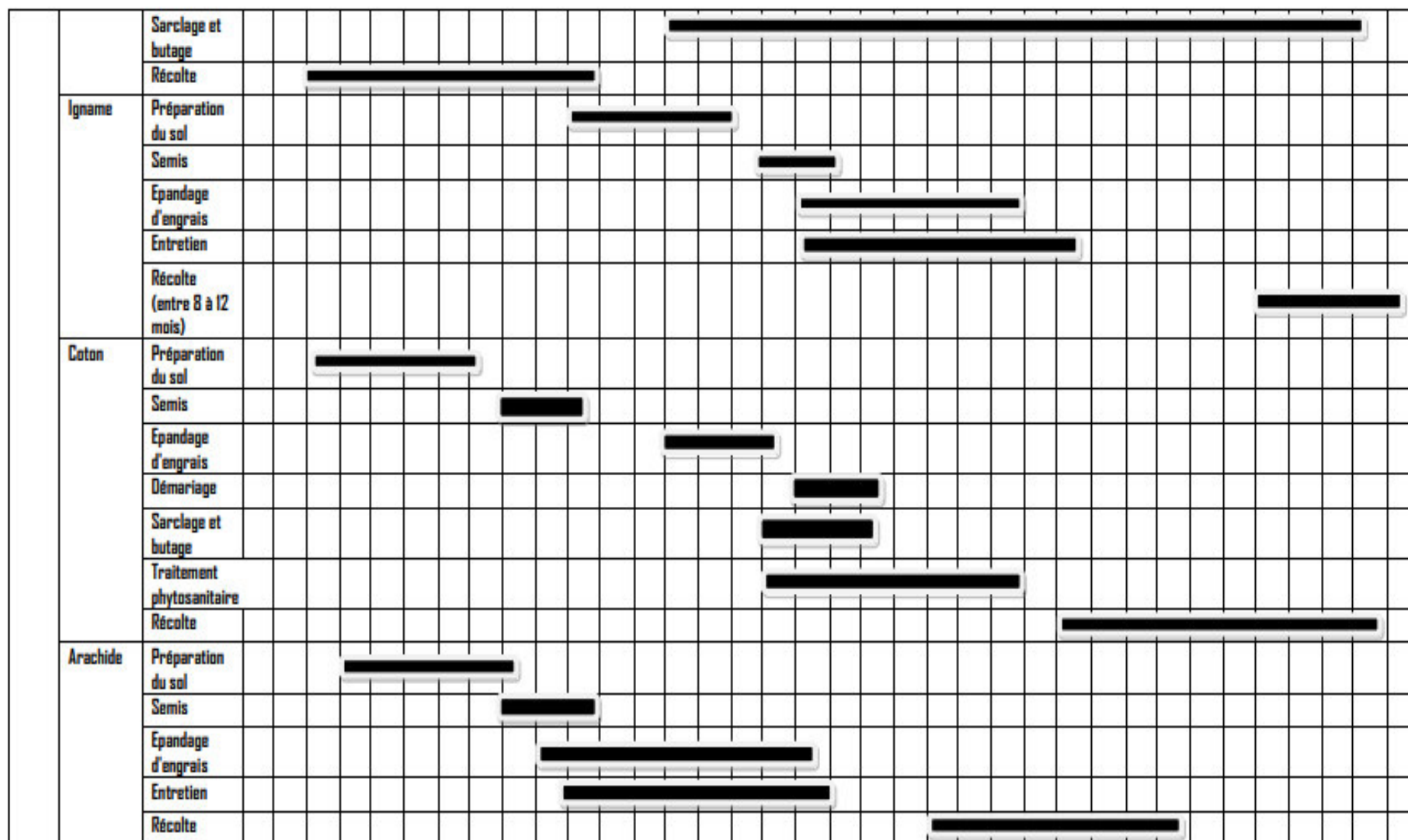
ZAE	Cultures	Operations culturales	Janvier			Février			Mars			Avril			Mai			Juin			Juillet			Août			Septembre			Octobre			Novembre			Décembre.		
			01	02	03	01	02	03	01	02	03	01	02	03	01	02	03	01	02	03	01	02	03	01	02	03	01	02	03	01	02	03	01	02	03	01	02	03
Zone soudano-sahélienne (Extrême-Nord)	Mil, Sorgho, Maïs	Préparation du sol																																				
		Semis																																				
		Epannage d'engrais																																				
		Sarclage																																				
		Récolte (après 3 mois)																																				
	Arachide, Niébé, Soja, Haricot	Préparation du sol																																				
		Semis																																				
		Epannage d'engrais																																				
		Entretien																																				
		Récolte (après 3 mois)																																				
	Coton	Préparation du sol																																				
		Semis																																				
		Epannage d'engrais																																				
		Démariage																																				
		Sarclage et butage																																				



D1...n=Décade (10 jours consécutifs) ; C=Campagne Agricole

TABLE 175: Appendix 3: Seasonal calendar and monitoring of indicators

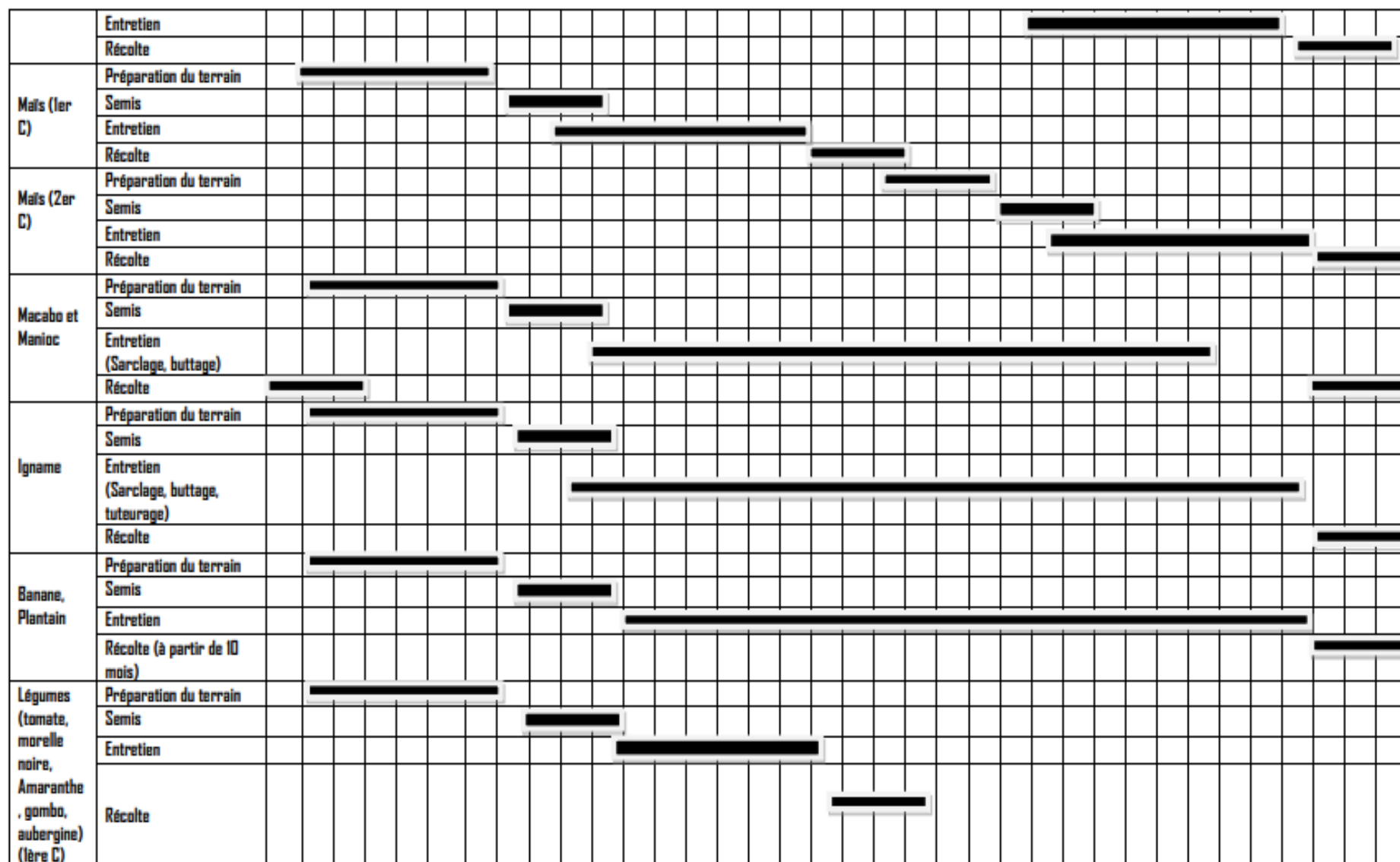
ZAE	Cultures	Operations culturales	Janvier			Février			Mars			Avril			Mai			Juin			Juillet			Août			Septembre			Octobre			Novembre			Décembre.						
			01	02	03	01	02	03	01	02	03	01	02	03	01	02	03	01	02	03	01	02	03	01	02	03	01	02	03	01	02	03	01	02	03							
Haute s c	Manioc	Préparation du sol																																								
		Semis																																								



D1...n=Décade (10 jours consécutifs) ; C=Campagne Agricole

TABLE 176: Appendix 4: Schedule of agricultural activities of crops in the high savannah zone (Adamawa)

Cultures	Itinéraire technique	Janvier			Février			Mars			Avril			Mai			Juin			Juillet			Août			Septembre			Octobre			Novembre			Décembre		
		01	02	03	01	02	03	01	02	03	01	02	03	01	02	03	01	02	03	01	02	03	01	02	03	01	02	03	01	02	03	01	02	03			
Arachide (1er C)	Préparation du terrain	■																																			
	Semis																																				
	Entretien																																				
	Récolte																																				
Arachide (2er C)	Préparation du terrain																																				
	Semis																																				
	Entretien																																				
	Récolte																																				
Haricot (1er C)	Préparation du terrain	■																																			
	Semis																																				
	Entretien																																				
	Récolte																																				
Haricot (2ème C)	Préparation du terrain																																				
	Semis																																				
	Entretien																																				
	Récolte																																				
Pistache	Préparation du terrain	■																																			
	Semis																																				
	Entretien																																				
	Récolte																																				
Soja (1ère C)	Préparation du terrain	■																																			
	Semis																																				
	Entretien																																				
	Récolte																																				
Soja (2ème C)	Préparation du terrain																																				
	Semis																																				



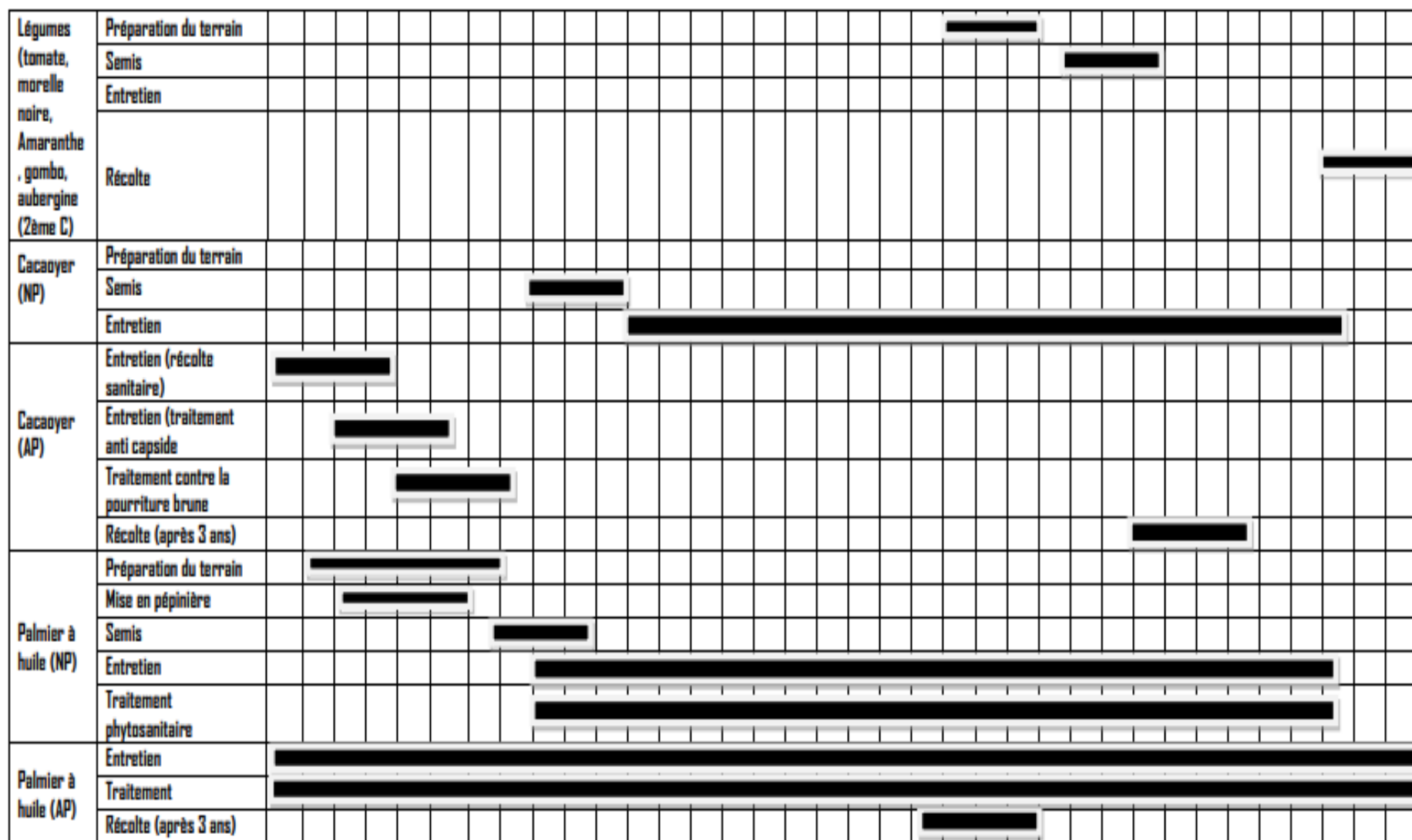
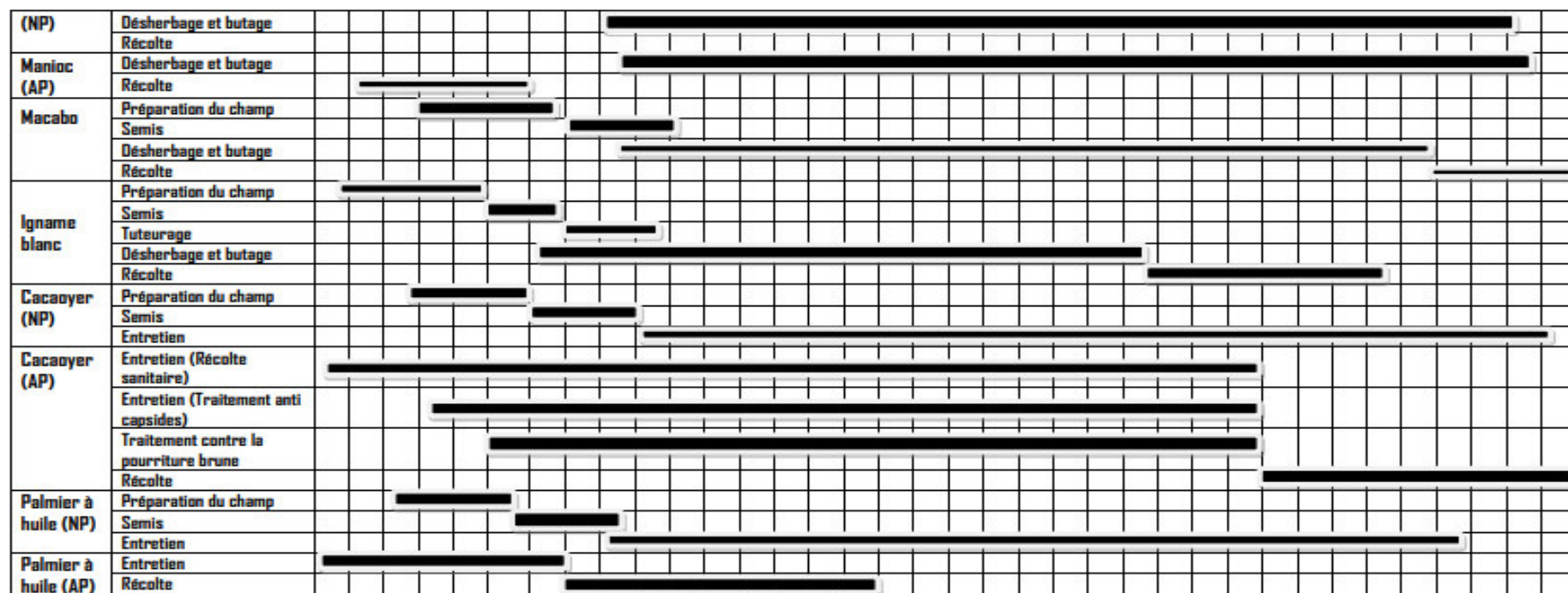


TABLE 178: Appendix 6: Schedule of agricultural activities in the high plateaus area (West and North-West regions)

Cultures saisonnières	Opérations culturales	Janvier			Février			Mars			Avril			Mai			Juin			Juillet			Août			Septembre			Octobre			Novembre			Décembre		
		01	02	03	01	02	03	01	02	03	01	02	03	01	02	03	01	02	03	01	02	03	01	02	03	01	02	03	01	02	03	01	02	03			
Maïs	Préparation du champ				■																																
	Semis					■	■	■	■	■																											
	Sarclage et butage (2 fois)							■	■	■	■	■	■	■	■	■																					
	Récolte																■	■	■	■	■	■															
Arachide	Préparation du champ		■	■																																	
	Semis					■	■																														
	Sarclage										■	■	■																								
	Récolte																■	■	■	■	■	■															
Soja (1 ^{ère} C)	Préparation du champ	■	■	■																																	
	Semis					■	■																														
	Sarclage							■	■	■																											
	Récolte																			■	■	■	■	■	■												
Soja (2 ^{ème} C)	Préparation du champ																																				
	Semis																						■	■	■												
	Sarclage																									■	■	■									
	Récolte																															■	■	■			
Plantain/banane douce (NP)	Préparation du champ				■	■	■																														
	Semis							■	■	■																											
	Entretien										■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■			
Plantain/banane douce (AP)	Défrichage et défeuillage													■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■			
	Tuteurage													■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■			
	Récolte				■	■	■	■	■	■																											
Manioc	Préparation du champ				■	■	■																														
	Semis							■	■	■																											



D1...n=Décade (10 jours consécutifs) ; C=Campagne Agricole

NB : Toutes ces prévisions climatiques seront actualisées tous les 10 jours dans les bulletins d'alertes décadaires pour une meilleure planification des activités agricoles

Source: National Observatory on Climate Change 2021

TABLE 179: Appendix 7: Number of farmers' organisations by branch of activity and by type

Branches of activity	COOPC A	CIGs	SCOOP S	UCOs	UCIGs	Grand total
Agriculture	994	2,287	604	2	5	3,892
Animal production and hunting	371	934	482	143	148	1,506
Financial and insurance activities	328	1	1	2	0	332
Wholesale and retail trade and repair of vehicles	65	71	49	0	0	185
Fishing and aquaculture	40	57	38	0	0	135
Other activities provided to the community, social activities	17	78	10	0	0	105
Meat and fish industry	10	43	49	1	0	103
Mineral extraction	3	57	16	0	0	76
Sylviculture and logging	13	52	5	0	1	71
Wholesale and retail trade and repair of vehicles	47	6	5	0	0	58
Textile and clothing industry	0	43	4	0	0	47
Educational activities	9	24	3	0	0	36
Activities provided mainly to enterprises	8	15	11	0	0	34
Support activities for the meat industry	1	10	21	0	0	32
Dairy, fruit and vegetable industry	6	12	15	0	0	33
Information and communication	0	22	3	0	0	25
Oilseed and animal feed industry	3	4	15	0	0	22
Activities for human health and social action	8	3	4	0	0	15
Wood industries except furniture manufacturing	5	8	1	0	0	14
Cocoa, coffee, tea and sugar industry	5	4	2	0	0	11
Accommodation and catering	1	8	0	0	0	9
Milk, fruit and vegetables and other products industry	6	0	3	0	0	9
Water, sanitation and waste treatment	2	4	2	0	0	8
Wood industries except furniture manufacturing	0	5	1	0	0	6
Manufacture of chemicals and pharmaceutical products	0	5	1	0	0	6
Oilseed and animal feed industry	0	4	1	0	0	5
Manufacture of chemicals and pharmaceutical products	0	1	3	0	0	4
Accommodation and catering	1	2	1	0	0	4
Cocoa, coffee, tea and sugar industry	3	1	0	0	0	4
Meat and fish industry	1	1	2	0	0	4
Sylviculture and logging	0	3	0	0	0	3
Construction	0	2	1	0	0	3
Manufacture of grain products	0	3	0	0	0	3
Information and communication	2	1	0	0	0	3
Activities provided mainly to enterprises	1	1	0	0	0	2
Construction	1	1	0	0	0	2
Manufacture of furniture; manufacturing n.e.c.	1	0	1	0	0	2
Textile and clothing industry	0	1	1	0	0	2
Production of rubber and manufacture of items	0	2	0	0	0	2
Educational activities	0	1	0	0	0	1
Water, sanitation and waste treatment	0	0	1	0	0	1
Mineral extraction	0	0	1	0	0	1
Fishing and aquaculture	1	0	0	0	0	1

Branches of activity	COOPC A	CIGs	SCOOP S	UCOs	UCIGs	Grand total
Electricity, gas and air conditioning	0	0	1	0	0	1
Manufacture of non-metallic mineral products	0	1	0	0	0	1
Manufacture of basic metallurgical products	0	1	1	0	0	2
Grand total	1,953	3,933	1,375	9	12	7,282

Source: DDLC/MINADER

TABLE 180: Appendix 8: Situation of agricultural stations in 2019

Region	Division	Agricultural stations filled
ADAMAWA	Djerem	12
	Faro and Deo	9
	Mayo Banyo	15
	Mbere	0
	Vina	29
TOTAL		65
CENTRE	Upper-Sanaga	17
	Lekie	34
	Mbam-and-Inoubou	25
	Mbam-and-Kim	...
	Mefou-and-Afamba	22
	Mefou-and-Akono	14
	Mfoundi	2
	Nyong-and-Kelle	61
	Nyong-and-Mfoumou	0
	Nyong-and-So'o	19
TOTAL		///
EAST	Boumba-and-Ngoko	8
	Upper-Nyong	0
	Kadey	12
	Lom-and-Djerem	0
TOTAL		20
FAR-NORTH	Diamare	25
	Logone-and-Chari	17
	Mayo Danay	16
	Mayo Kani	24
	Mayo Sava	22
	Mayo Tsanaga	33
TOTAL		137
LITTORAL	Moungo	46
	Nkam	21
	Sanaga Maritime	0
	Wouri	6
TOTAL		73
NORTH-WEST	Boyo	...
	Bui	0
	Donga Mantung	30
	Mentchum	3
	Mezam	30
	Momo	...
	Ngo-Ketunjia	...
TOTAL		///
NORTH	Benoue	0
	Faro	17
	Mayo Louti	37
	Mayo Rey	0
TOTAL		54

Region	Division	Agricultural stations filled
WEST	Bamboutos	0
	Haut-Nkam	27
	Upper-Plateaus	20
	Koung-Khi	10
	Menoua	58
	Mifi	48
	Nde	29
	Noun	22
TOTAL		214
SOUTH	Dja and Lobo	35
	Mvila	32
	Ocean	2
	Ntem Valley	6
TOTAL		75
SOUTH-WEST	Fako	0
	Kupe Manenguba	0
	Lebialem	11
	Manyu	...
	Meme	24
	Ndian	...
TOTAL		///
GRAND TOTAL		///

Source: DESA/MINADER

TABLE 181: Appendix 9: Number of certified seed multipliers by division of location and by crop in 2019

Region	Division	Maize	Rice	Sorghum/millet	Cassava	Potato	Plantain tree	Cocoa	Coffee	Onion	Groundnut	Oil palm tree
Adamawa	Djerem	0	0	0	0	0	0	0	0	0	0	0
	Faro and Deo	0	0	0	0	0	0	0	0	0	0	0
	Mayo Banyo	0	0	0	0	0	0	0	0	0	0	0
	Mbere	0	0	0	0	0	0	0	0	0	0	0
	Vina	12	0	0	0	1	0	0	0	0	0	0
Total		12	0	0	0	1	0	0	0	0	0	0
Centre	Upper-Sanaga	0	0	0	1	0	2	1	0	0	0	0
	Lekie	14	0	0	11	0	4	5	0	0	0	0
	Mbam-and-Inoubou	4	0	0	0	0	0	1	0	0	0	0
	Mbam-and-Kim	3	0	0	1	0	0	1	0	0	0	0
	Mefou-and-Afamba	9	0	0	4	0	4	4	0	0	0	0
	Mefou-and-Akono	0	0	0	0	0	3	0	0	0	0	0
	Mfoundi	1	0	0	0	0	4	0	0	0	0	0
	Nyong-and-Kele	2	0	0	2	0		1	0	0	0	0
	Nyong-and-Mfoumou	0	0	0	0	0	1	1	0	0	0	0
	Nyong-and-So'o	0	0	0	8	0	0	0	0	0	0	0
Total		33	0	0	27	0	18	14	0	0	0	0
East	Boumba-and-Ngoko	0	0	0	0	0	0	0	0	0	0	0
	Upper-Nyong	0	0	0	0	0	7	3	0	0	0	2
	Kadey	1	0	0	0	0	0	0	0	0	0	0
	Lom and Djerem	5	0	0	0	0	3	4	0	0	0	1
Total		6	0	0	0	0	10	7	0	0	0	3
Far-North	Diamare	11	2	11	0	0	0	0	0	0	2	0
	Mayo Danay	1	0	1	0	0	0	0	0	0	0	0
	Mayo Kani	6	1	7	0	0	0	0	0	0	0	0
	Mayo Sava	2	0	2	0	0	0	0	0	0	0	0
	Mayo Tsanaga	2	0	1	0	0	0	0	0	0	1	0
Total		22	3	22	0	0	0	0	0	0	3	0
Littoral	Moungo	3	0	0	7	0	4	7	0	0	0	0
	Nkam	0	0	0	1	0	2	0	0	0	0	0
	Sanaga Maritime	0	0	0	4	0	0	0	0	0	0	0
	Wouri	0	0	0	0	0	0	0	0	0	0	0
Total		3	0	0	12	0	6	7	0	0	0	0
North-West	Boyo	0	0	0	0	0	0	0	0	0	0	0
	Bui	7	0	0	0	0	0	0	0	0	0	0
	Donga Mantung	0	0	0	0	0	0	0	0	0	0	0
	Mentchum	3	0	0	0	0	0	0	0	0	0	0

Region	Division	Maize	Rice	Sorghum/millet	Cassava	Potato	Plantain tree	Cocoa	Coffee	Onion	Groundnut	Oil palm tree
	Mezam	2	0	0	0	0	0	0	0	0	0	0
	Momo	0	0	0	0	0	0	0	0	0	0	0
	Ngo Ketunjia	6	2	0	0	0	1	0	0	0	0	0
Total		18	2	0	0	0	1	0	0	0	0	0
North	Benoue	12	3	1	0	0	0	0	0	0	1	0
	Faro	0	0	0	0	0	0	0	0	0	0	0
	Mayo Louti	2	0	1	0	0	0	0	0	0	0	0
	Mayo Rey	0	0	0	0	0	0	0	0	0	0	0
Total		14	3	2	0	0	0	0	0	0	1	0
West	Bamboutos	3	0	0	0	1	2	0	0	0	0	0
	Upper-Nkam	0	0	0	0	0	0	0	0	0	0	0
	Upper-Plateaus	0	0	0	0	0	0	0	0	0	0	0
	Koung-Khi	2	0	0	0	0	1	0	0	0	0	0
	Menoua	0	0	0	0	0	1	0	0	0	0	0
	Mifi	4	0	0	0	0	2	0	0	0	0	0
	Nde	6	0	0	0	1	1	0	0	0	0	0
	Noun	12	0	0	0	0	2	0	0	0	0	0
Total		27	0	0	0	2	9	0	0	0	0	0
South	Dja and Lobo	0	0	0	1	0	2	2	0	0	0	1
	Mvila	5	0	0	0	0	1	1	0	0	0	0
	Ocean	0	0	0	11	0	3	0	0	0	0	0
	Ntem Valley	0	0	0	0	0	0	0	0	0	0	0
Total		5	0	0	12	0	6	3	0	0	0	1
South-West	Fako	0	0	0	0	0	0	0	0	0	0	0
	Kupe	0	0	0	0	0	0	0	0	0	0	0
	Manenguba	0	0	0	0	0	0	0	0	0	0	0
	Lebialem	0	0	0	0	0	0	0	0	0	0	0
	Manyu	0	0	0	0	0	0	0	0	0	0	0
	Meme	0	0	0	0	0	0	0	0	0	0	0
	Ndian	0	0	0	0	0	0	0	0	0	0	0
Total		0	0	0	0	0	0	0	0	0	0	0

Source: DRCQ/MINADER

TABLE 182: Appendix 10: Current period July - September 2018 by Division

Region	Division	Total population	Population estimate for the current period July - September 2018					
			Total population in Ph 1	Total population in Ph 2	Total population in Ph 3	Total population in Ph 4	Total population in Ph 5	Total population in Ph 3 to 5
North-West	BOYO	173,675	98,995	65,997	8,684	0	0	8,684
North-West	Bui	447,749	268,649	156,712	22,387	0	0	22,387
North-West	Donga Mantung	375,382	322,829	45,046	7,508	0	0	7,508
North-West	Menchum	225,284	155,446	56,321	13,517	0	0	13,517
North-West	Mezam	728,882	626,839	87,466	14,578	0	0	14,578
North-West	Momo	192,875	111,868	71,364	9,644	0	0	9,644
North-West	Ngo-Ketunjia	260,537	221,456	33,870	5,211	0	0	5,211
West	Bamboutos	406,642	341,580	65,063	0	0	0	0
West	Haut-Nkam	201,348	130,876	60,404	10,067	0	0	10,067
West	Upper-Plateaus	112,196	96,489	14,585	1,122	0	0	1,122
West	Koung-Khi	90,422	79,571	10,851	0	0	0	0
West	Menoua	397,400	357,660	39,740	0	0	0	0
West	Mifi	419,222	352,146	67,076	0	0	0	0
West	Nde	131,903	96,289	32,976	2,638	0	0	2,638
West	Noun	632,620	550,593	75,944	6,329	0	0	6,329
South-West	Fako	648,620	577,272	64,862	6,486	0	0	6,486
South-West	Kupe-Manenguba	146,824	110,118	22,024	14,682	0	0	14,682
South-West	Lebialem	158,168	115,463	23,725	18,980	0	0	18,980
South-West	Manyu	251,763	188,822	37,764	25,176	0	0	25,176
South-West	Meme	454,375	318,063	90,875	45,438	0	0	45,438
South-West	Ndian	170,466	126,145	25,570	18,751	0	0	18,751
TOTAL		6,626,598	5,247,167	1,148,233	231,198	0	0	231,198

TABLE 183: Appendix 11: Estimated populations by phase of food insecurity in each region analysed 2018

Current period March - May 2018 by Division

Region	Division	Total population	Population estimate for the current period March - May 2018					
			Total population in Ph 1	Total population in Ph 2	Total population in Ph 3	Total population in Ph 4	Total population in Ph 5	Total population in Ph 3 to 5
North-West	BOYO	173,675	59,050	78,154	36,472	0	0	36,472
North-West	Bui	447,749	237,307	179,100	31,342	0	0	31,342
North-West	Donga	375,382	307,813	56,307	11,261	0	0	11,261
North-West	Mantung	225,284	108,136	69,838	47,310	0	0	47,310
North-West	Menchum	728,882	546,662	16,838	21,866	0	0	21,866
North-West	Momo	192,875	75,221	160,354	40,504	0	0	40,504
North-West	Ngo-Ketunjia	260,537	200,613	77,150	5,211	0	0	5,211
West	Bamboutos	406,642	349,712	56,930	0	0	0	0
West	Haut-Nkam	201,348	126,849	64,431	10,067	0	0	10,067
West	Upper-Plateaus	112,196	94,245	15,707	2,244	0	0	2,244
West	Koung-Khi	90,422	78,667	11,755	0	0	0	0
West	Menoua	397,400	313,946	83,454	0	0	0	0
West	Mifi	419,222	331,185	88,037	0	0	0	0
West	Nde	131,903	89,694	39,571	2,638	0	0	2,638
West	Noun	632,865	537,935	88,601	6,329	0	0	6,329
South-West	Fako	648,620	499,437	116,752	32,431	0	0	32,431
South-West	Kupe-Manenguba	146,824	92,499	24,960	29,365	0	0	2,365
South-West	Lebialem	158,168	99,646	25,307	33,215	0	0	33,215
South-West	Manyu	251,763	158,611	42,800	50,353	0	0	50,353
South-West	Meme	454,375	318,063	45,438	90,875	0	0	90,875
South-West	Ndian	170,466	107,394	28,979	34,093	0	0	34,093
TOTAL		6,626,598	4,732,685	1,370,463	485,576	0	0	458,576

TABLE 184: Appendix 12: Estimated populations by phase of food insecurity in each region analysed 2019

	Division	Total population	Phase 1	Phase 2	Phase 3	Phase 4	Phase 5	Phase 3 to 5
ADAMAWA	Djerem	183.183	157,537.38	25,645.62	0	0	0	0
	Faro-and-Deo	121.269	107,929.41	13,339.59	0	0	0	0
	Mayo-Banyo	274.252	230,371.68	43,880.32	0	0	0	0
	Mbere	230.830	193,897.2	32,316.2	4,616.6	0	0	4,616.6
	Vina	466.046	400,799.56	65,246.44	0	0	0	0
EAST	Boumba-and-Ngoko	127.144	104,258.08	15,257.28	7,628.64	0	0	7,628.64
	Upper-Nyong	216.605	188,446.35	21,660.5	6,498.15	0	0	6,498.15
	Kadey	202.915	166,390.3	24,349.8	12,174.9	0	0	12,174.9
	Lom-and-Djerem	303.972	24,6,217.32	33,436.92	24,317.76	0	0	24,317.76
FAR-NORTH	Diamare	880.832	748,707.2	105,699.8 4	26,424.96	0	0	26,424.96
	Logone-and-Chari	667.930	567,740.5	80,151.6	20,037.9	0	0	20,037.9
	Mayo-Danay	725.622	53,6960.28	145,124.4	43,537.32	0	0	43,537.32
	Mayo-Kani	554.983	482,835.21	55,498.3	16,649.49	0	0	16,649.49
	Mayo-Sava	478.513	411,521.18	52,636.43	14,355.39	0	0	14,355.39
	Mayo-Tsanaga	960.030	739,223.1	163,205.1	57,601.8	0	0	57,601.8
NORTH	Benoue	1,320,233	1,135,400.38	158,427.9 6	26,404.66	0	0	26,404.66
	Faro	107.665	95,821.85	9,689.85	2,153.3	0	0	2,153.3
	Mayo-Louti	506.419	445,648.72	55,706.09	5,064.19	0	0	5,064.19
	Mayo-Rey	581.431	494,216.35	75,586.03	11,628.62	0	0	11,628.62
NORTH-WEST	BOYO	173.675	64,259.75	60,786.25	43,418.75	5,210.2 5	0	48,629
	BUI	447.749	214,919.52	134,324.7	89,549.8	8,954.9 8	0	98,504.78
	DONGA-MANTUNG	375.382	225,229.2	112,614.6	37,538.2	0	0	37,538.2
	MENCHUM	225.284	81,102.24	78,849.4	58,573.84	6,758.5 2	0	65,332.36
WEST	MEZAM	728.882	524,795.04	182,220.5	21,866.46	0	0	21,866.46
	MOMO	192.875	81,007.5	57,862.5	48,218.75	5,786.2 5	0	54,005
	NGO-KETUNJIA	260.537	190,192.01	52,107.4	13,026.85	5,210.7 4	0	18,237.59
	BAMBOUT OS	406.642	248,051.8821	113,859.8 803	40,664.24 297	4,066.4 24297	0	44,730.66 727
	UPPER-NKAM	201.348	169,132.32	30,202.2	2,013.48	0	0	2,013.48
	UPPER-PLATEAUX	112.196	92,000.72	17,951.36	2,243.92	0	0	2,243.92

	Division	Total population	Phase 1	Phase 2	Phase 3	Phase 4	Phase 5	Phase 3 to 5
SOUTH-WEST	KOUNG-KHI	90.422	75,954.48116	13,563.30021	904.2200138	0	0	904.2200138
	MENOUA	397.400	325,868	63,584	7,948	0	0	7,948
	MIFI	419.222	352,146.48	54,498.86	12,576.66	0	0	12,576.66
	NDE	131.903	106,841.43	22,423.51	2,638.06	0	0	2,638.06
	NOUN	632.865	518,949.3	101,258.4	12,657.3	0	0	12,657.3
	FAKO	648.620	272,420.4	227,017	129,724	19,458.6	0	149,182.6
	KUPE-MANENGUBA	146.824	96,903.84	46,983.68	2,936.48	0	0	2,936.48
	LEBIALEM	158.168	66,430.56	55,358.8	34,796.96	1,581.68	0	36,378.64
	MANYU	251.763	156,093.06	75,528.9	20,141.04	0	0	20,141.04
	MEME	454.375	163,575	159,031.25	113,593.75	18,175	0	131,768.75
NDIAN	170.466	105,688.92	44,321.16	20,455.92	0	0	20,455.92	
Total		15,536,472	11,585,483	2,881,205	994,580	75,202	0	1,069,782

TABLE 185: Appendix 13: Estimated populations by phase of food insecurity in each region analysed 2020

Current situation by region October - December 2020 by division

Region	Division	Total population	Total population	Total population	Total population	Total population	Total population	Total population
			in Ph 1	in Ph 2	in Ph 3	in Ph 4	in Ph 5	in Ph 3 to 5
Adamawa	Djerem	193,605	158,756	23,233	11,616	0	0	11,616
Adamawa	Faro-and-Deo	128,169	103,817	15,380	8,972	0	0	8,972
Adamawa	Mayo-Banyo	289,857	191,305	63,768	34,783	0	0	34,783
Adamawa	Mbere	266,001	106,400	101,080	53,200	5,320	0	58,520
Adamawa	Vina	492,564	408,828	64,033	19,703	0	0	19,703
Centre	Upper-Sanaga	147,564	119,472	22,124	5,900	0	0	5,900
Centre	Lekie	420,432	344,754	58,860	16,817	0	0	16,817
Centre	Mbam-and-Inoubou	277,682	227,699	41,652	8,330	0	0	8,330
Centre	Mbam-and-Kim	155,078	100,801	38,770	15,508	0	0	15,508
Centre	Mefou-and-Afamba	185,230	129,661	46,307	9,261	0	0	9,261
Centre	Mefou-and-Akono	86,742	63,322	19,083	4,337	0	0	4,337
Centre	Mfoundi	2,765,952	2,295,741	387,233	82,979	0	0	82,979
Centre	Nyong-and-Kelle	190,806	135,472	43,885	11,448	0	0	11,448
Centre	Nyong-and-Mfoumou	153,603	107,522	36,865	9,216	0	0	9,216
Centre	Nyong-and-So'o	170,436	121,010	39,200	10,226	0	0	10,226
East	Boumba-and-Ngoko	169,546	142,418	23,736	3,391	0	0	3,391
East	Upper-Nyong	288,841	239,738	43,326	5,777	0	0	5,777
East	Kadey	270,584	219,173	45,999	5,412	0	0	5,412
East	Lom-and-Djerem	405,343	332,381	60,801	12,160	0	0	12,160
Far-North	Diamare	925,168	582,856	268,299	74,013	0	0	74,013
Far-North	Logone-and-Chari	701,550	235,019	315,697	147,325	3,508	0	150,833
Far-North	Mayo-Danay	762,145	617,338	114,322	30,486	0	0	30,486
Far-North	Mayo-Kani	582,918	378,897	116,584	87,438	0	0	87,438
Far-North	Mayo-sava	502,598	231,195	155,805	105,546	10,052	0	115,598
Far-North	Mayo-Tsanaga	1,008,352	453,758	383,174	171,420	0	0	171,420
Littoral	Moungo	557,403	351,164	122,629	83,610	0	0	83,610
Littoral	Nkam	53,985	34,551	13,496	5,938	0	0	5,938
Littoral	Sanaga-Maritime	238,568	183,697	42,942	11,928	0	0	11,928
Littoral	Wouri	2,839,590	1,845,734	709,898	283,959	0	0	283,959
North	Benoue	1,395,352	1,130,235	209,303	55,814	0	0	55,814
North	Faro	113,791	92,171	18,207	3,414	0	0	3,414
North	Mayo-Louti	640,923	314,052	224,323	102,548	0	0	102,548

Region	Division	Total population	Total population	Total population	Total population	Total population	Total population	Total population
			in Ph 1	in Ph 2	in Ph 3	in Ph 4	in Ph 5	in Ph 3 to 5
North	Mayo-Rey	614,513	344,127	184,354	86,032	0	0	86,032
North-West	BOYO	183,557	88,107	55,067	38,547	1,836	0	40,383
North-West	Bui	473,225	170,361	175,093	118,306	9,465	0	127,771
North-West	Donga Mantung	396,740	158,696	178,533	59,511	0	0	59,511
North-West	Menchum	238,102	83,336	83,336	59,526	11,905	0	71,431
North-West	Mezam	770,354	439,102	192,588	107,850	30,814	0	138,664
North-West	Momo	203,849	69,309	73,386	50,962	10,192	0	61,155
North-West	Ngo-Ketunjia	275,361	126,666	96,376	52,319	0	0	52,819
West	Bamboutos	429,780	365,313	55,871	8,596	0	0	8,596
West	Haut-Nkam	212,804	165,987	40,433	6,384	0	0	6384
West	Upper-Plateaus	118,579	93,678	21,344	3,557	0	0	3,557
West	Koung-Khi	95,567	70,719	19,113	5,734	0	0	5,734
West	Menoua	420,012	294,008	92,403	33,601	0	0	33,601
West	Mifi	443,075	323,445	88,615	31,015	0	0	31,015
West	Nde	139,408	110,132	26,487	2,788	0	0	2,788
West	Noun	668,874	519,715	127,086	20,066	2,007		22,073
South	Dja-and-Lobo	289,476	224,633	59,921	4,921	0	0	4,921
South	Mvila	263,722	208,868	49,580	5,274	0	0	5,274
South	Ocean	263,228	231,904	29,745	1,579	0	0	1,579
South	Ntem Valley	116,380	86,122	27,931	2,328	0	0	2,328
South-West	Fako	685,525	383,894	171,381	130,250	0	0	130,250
South-West	Kupe-Manenguba	155,178	72,934	54,312	27,932	0	0	27,932
South-West	Lebialem	167,167	71,882	58,509	35,105	1,672	0	36,777
South-West	Manyu	266,088	98,453	101,114	61,200	5,322	0	66,522
South-West	Meme	480,229	192,091	182,487	100,848	4,802	0	105,650
South-West	Ndian	180,165	72,006	66,661	39,636	1,802	0	41,438
TOTAL		25,931,269	17,064,485	6,181,745	2,586,344	98,695	0	2,685,039

TABLE 186: Appendix 14: Estimated populations by phase of food insecurity in each region analysed 2021

Current situation by region March - May 2021 by division

Region	Division	Total population	Total population in Ph 1	Total population in Ph 2	Total population in Ph 3	Total population in Ph 4	Total population in Ph 5	Total population in Ph 3 to 5
Adamawa	Djerem	193,605	135,524	48,401	9,680	0	0	9,680
Adamawa	Faro-and-Deo	128,169	115,352	10,254	2,563	0	0	2,563
Adamawa	Mayo-Banyo	289,857	188,407	86,957	14,493	0	0	14,493
Adamawa	Mbere	266,001	172,900	79,800	13,300	0	0	13,300
Adamawa	Vina	492,564	418,679	59,108	14,777	0	0	14,777
Centre	Upper-Sanaga	147,496	98,822	44,249	4,425	0	0	4,425
Centre	Lekie	420,432	365,776	42,043	12,613	0	0	12,613
Centre	Mbam-and-Inoubou	277,682	122,180	88,858	58,313	8,330	0	66,644
Centre	Mbam-and-Kim	155,078	110,105	38,770	6,203	0	0	6,203
Centre	Mefou-and-Afamba	185,230	157,445	24,080	3,705	0	0	3,705
Centre	Mefou-and-Akono	86,742	48,576	30,360	6,939	867	0	7,807
Centre	Mfoundi	2,765,952	1,853,188	691,488	221,276	0	0	221,276
Centre	Nyong-and-Kelle	190,806	139,288	43,885	7,632	0	0	7,632
Centre	Nyong-and-Mfoumou	153,603	115,202	30,721	7,680	0	0	7,680
Centre	Nyong-and-So'o	170,436	149,984	17,044	3,409	0	0	3,409
East	Boumba-and-Ngoko	169,546	123,769	37,300	8,477	0	0	8,477
East	Upper-Nyong	288,841	239,738	34,661	14,442	0	0	14,442
East	Kadey	270,584	189,409	67,646	13,529	0	0	13,529
East	Lom-and-Djerem	405,343	283,740	101,336	20,267	0	0	20,267
Far-North	Mayo Danay	762,145	594,473	144,808	22,864	0	0	22,864
Far-North	Mayo-Sava	502,598	251,299	175,909	65,338	10,052	0	75,390
Far-North	Diamare	925,168	767,889	138,775	18,503	0	0	18,503
Far-North	Logone-and-Chari	701,550	406,899	182,403	105,233	7,016	0	112,248
Far-North	Mayo-Kani	582,918	512,968	58,292	11,658	0	0	11,658
Far-North	Mayo-Tsanaga	1,008,352	887,350	100,835	20,167	0	0	20,167
Littoral	Moungo	557,403	267,553	167,221	100,333	22,296	0	122,629
Littoral	Nkam	53,985	38,869	9,717	5,399	0	0	5,399
Littoral	Sanaga-Maritime	238,568	162,226	59,642	16,700	0	0	16,700

Region	Division	Total population	Total population in Ph 1	Total population in Ph 2	Total population in Ph 3	Total population in Ph 4	Total population in Ph 5	Total population in Ph 3 to 5
Littoral	Wouri	2,839,590	1,902,525	709,898	227,167	0	0	227,167
North	Benoue	1,395,352	990,700	348,838	55,814	0	0	55,814
North	Faro	113,791	78,516	25,034	9,103	1,138	0	10,241
North	Mayo-Louti	640,923	576,831	51,274	12,818	0	0	12,818
North	Mayo-Rey	614,513	510,046	73,742	30,726	0	0	30,726
North-West	BOYO	183,557	84,436	55,067	38,547	5,507	0	44,054
North-West	Bui	473,225	189,290	141,968	108,842	33,126	0	141,968
North-West	Donga Mantung	396,740	182,500	119,022	87,283	7,935	0	95,218
North-West	Menchum	238,102	116,670	54,763	54,763	11,905	0	66,669
North-West	Mezam	770,354	408,288	192,589	154,071	15,407	0	169,478
North-West	Momo	203,849	65,232	50,962	50,962	36,693	0	87,655
North-West	Ngo-Ketunjia	275,361	148,695	74,347	44,058	8,261	0	52,319
West	Bamboutos	429,780	300,846	107,445	21,489	0	0	21,489
West	Haut-Nkam	212,804	119,170	59,585	27,665	6,384	0	34,049
West	Upper-Plateaus	118,579	87,749	23,716	7,115	0	0	7,115
West	Koung-Khi	95,567	69,764	17,202	8,601	0	0	8,601
West	Menoua	420,012	331,809	58,802	29,401	0	0	29,401
West	Mifi	443,075	350,030	66,461	26,585	0	0	26,585
West	Nde	139,408	98,979	27,882	12,547	0	0	12,547
West	Noun	668,874	521,722	93,642	53,510	0	0	53,510
South	Dja-and-Lobo	289,476	179,475	72,369	34,737	2,895	0	37,632
South	Mvila	263,722	192,517	47,470	23,735	0	0	23,735
South	Ocean	263,228	194,789	57,910	10,529	0	0	10,529
South	Ntem Valley	116,380	83,794	20,948	11,638	0	0	11,638
South-West	Fako	685,525	260,500	274,210	130,250	20,566	0	150,816
South-West	Kupe-Manenguba	155,178	60,519	49,657	37,243	7,759	0	45,002
South-West	Lebialem	167,167	46,807	66,867	41,792	11,702	0	53,493
South-West	Manyu	266,088	87,809	98,453	66,522	13,304	0	79,826
South-West	Meme	480,229	230,510	129,662	96,046	24,011	0	120,057
South-West	Ndian	180,165	70,264	63,058	41,438	5,405	0	46,843
TOTAL		25,931,268	17,458,393	5,847,403	2,364,914	260,558	0	2,625,472

TABLE 187: Appendix 15: Current situation by region (October - December 2021)

Current period October - December 2018 by division

Region	Division	Total population	Population estimate for the current situation October - December 2021					
			Total population in Ph 1	Total population in Ph 2	Total population in Ph 3	Total population in Ph 4	Total population in Ph 5	Total population in Ph 3 to 5
Adamawa	Djerem	198.252	166.532	27.755	3.965	0	0	3.965
	Faro-and-Deo	131.245	106.308	20.999	3.937	0	0	3.937
	Mayo-Banyo	296.813	240.419	44.522	11.873	0	0	11.873
	Mbere	272.385	193.393	59.925	19.067	0	0	19.067
	Vina	504.385	423.684	65.570	15.132	0	0	15.132
Centre	Upper-Sanaga	151.036	128.380	22.655	0	0	0	0
	Lekie	430.522	348.723	81.799	0	0	0	0
	Mbam-and-Inoubou	284.346	244.538	39.808	0	0	0	0
	Mbam-and-Kim	158.800	128.628	30.172	0	0	0	0
	Mefou-and-Afamba	189.675	142.256	43.625	3.794	0	0	3.794
	Mefou-and-Akono	88.824	75.500	13.324	0	0	0	0
	Mfoundi	2,832,335	2,294,192	453.174	84.970	0	0	84.970
	Nyong-and-Kelle	195.385	128.954	60.569	5.862	0	0	5.862
	Nyong-and-Mfoumou	157.289	130.550	25.166	1.573	0	0	1.573
	Nyong-and-Soo	174.527	143.112	29.670	1.745	0	0	1.745
East	Boumba-and-Ngoko	173.615	142.364	29.514	1.736	0	0	1.736
	Upper-Nyong	295.773	242.534	47.324	5.915	0	0	5.915
	Kadey	277.078	205.038	63.728	8.312	0	0	8.312
	Lom-and-Djerem	415.071	336.208	70.562	8.301	0	0	8.301
Far-North	Diamare	947.372	729.477	198.948	18.947	0	0	18.947
	Logone-and-Chari	718.387	294.539	244.252	179.597	0	0	179.597
	Mayo-Danay	780.437	476.067	234.131	70.239	0	0	70.239
	Mayo-Kani	596.908	429.774	137.289	29.845	0	0	29.845
	Mayo-Sava	514.660	216.157	164.691	133.812	0	0	133.812
	Mayo-Tsanaga	1,032,552	433.672	309.766	289.115	0	0	289.115
Littoral	Moungo	570.780	428.085	125.572	17.123	0	0	17.123
	Nkam	55.281	45.330	9.398	553	0	0	553
	Sanaga-Maritime	244.294	197.878	43.973	2.443	0	0	2.443
	Wouri	2,907,740	2,122,650	726.935	58.155	0	0	58.155

Region	Division	Total population	Population estimate for the current situation October - December 2021					Total population in Ph 3 to 5
			Total population in Ph 1	Total population in Ph 2	Total population in Ph 3	Total population in Ph 4	Total population in Ph 5	
North	Benoue	1,428,841	1,000,188	357.210	71.442	0	0	71.442
	Faro	116.522	94.383	19.809	2.330	0	0	2.330
	Mayo-Louti	656.305	387.220	229.707	39.378	0	0	39.378
	Mayo-Rey	629.261	471.946	138.438	18.878	0	0	18.878
North-West	Boyo	187.962	99.620	58.268	30.074	0	0	30.074
	Bui	484.582	87.225	213.216	145.375	38.767	0	184.141
	Donga Mantung	406.262	190.943	154.380	60.939	0	0	60.939
	Menchum	243.817	73.145	85.336	70.707	14.629	0	85.336
	Mezam	788.842	220.876	315.537	205.099	47.331	0	252.430
	Momo	208.741	87.671	62.622	52.185	6.262	0	58.448
	Ngo-Ketunjia	281.970	64.853	112.788	84.591	19.738	0	104.329
	West	Bamboutos	440.094	360.877	79.217	0	0	0	0
Haut-Nkam	217.912	156.896	54.478	6.537	0	0	6.537	
Upper-Plateaus	121.425	91.069	27.928	2.429	0	0	2.429	
Koung-Khi	97.860	74.374	23.487	0	0	0	0	
Menoua	430.092	313.967	107.523	8.602	0	0	8.602	
Mifi	453.709	344.819	104.353	4.537	0	0	4.537	
Nde	142.753	104.210	35.688	2.855	0	0	2.855	
Noun	684.927	520.545	164.382	0	0	0	0	
South	Dja-and-Lobo	296.423	243.067	53.356	0	0	0	0
	Mvila	270.051	224.143	45.909	0	0	0	0
	Ocean	269.546	199.464	64.691	5.391	0	0	5.391
	Ntem Valley	119.174	89.380	28.602	1.192	0	0	1.192
South-West	Fako	701.978	428.206	210.593	63.178	0	0	63.178
	Kupe-Manenguba	158.903	88.985	52.438	15.890	1.589	0	17.479
	Lebialem	171.179	59.913	59.913	46.218	5.135	0	51.354
	Manyu	272.474	106.265	98.091	62.669	5.449	0	68.119
	Meme	491.754	167.196	186.867	122.939	14.753	0	137.691
Ndian	184.489	59.036	64.571	51.657	9.224	0	60.881	
TOTAL		26,553.619	17,605.425	6,634.213	2,151.104	162.877	0	2,313.981

TABLE 188: Appendix 16: Distribution of training centres under the training system of the Ministry of Agriculture and Rural Development by region

No.	REGION	CENTRES
1.	FAR-NORTH	MAROUA RURAL TRAINING CENTRE
2.		GUETALE-KOZA TRAINING CENTRE FOR YOUNG FARMERS
3.		DANA YOUNG FARMERS TRAINING CENTRE
4.		NGOUMA YOUNG FARMERS TRAINING CENTRE
5.		GUIDIGUIS YOUNG FARMERS TRAINING CENTRE
6.		MOULVOUDAYE YOUNG FARMERS TRAINING CENTRE
7.		DJOULGOUF TRAINING CENTRE FOR YOUNG FARMERS
8.		DADJAMKA YOUNG FARMERS TRAINING CENTRE
9.		GOYANG YOUNG FARMERS TRAINING CENTRE
	NORTH	NR
	ADAMAWA	NR
10.	CENTRE	NATCHIGAL YOUNG FARMERS TRAINING CENTRE
11.		MBANKOMO RURAL TRAINING CENTRE
12.		ESEKA RURAL TRAINING CENTRE
13.		GOURA RURAL TRAINING CENTRE
14.		EVODOULA RURAL TRAINING CENTRE
15.		OKOLA RURAL TRAINING CENTRE
16.	OTELE RURAL TRAINING CENTRE	
17.	SOUTH	EBOLOWA RURAL TRAINING CENTRE
18.		ZOUM YOUNG FARMERS TRAINING CENTRE
19.		MVAKWA RURAL TRAINING CENTRE
20.		BIBA YEZOUM RURAL TRAINING CENTRE
21.	EAST	BATOURI RURAL TRAINING CENTRE
22.		BOUAM RURAL TRAINING CENTRE
23.	LITTORAL	MBANGA RURAL TRAINING CENTRE
24.		BITOUTOUCK RURAL TRAINING CENTRE
25.		DIGOMBI RURAL TRAINING CENTRE
26.		POUMA RURAL TRAINING CENTRE
27.		NKOM RURAL TRAINING CENTRE
28.		NKONDJOCK RURAL TRAINING CENTRE
29.		SONG-MBOG RURAL TRAINING CENTRE
30.		NKONGMALANG RURAL TRAINING CENTRE
		NORTH-WEST	NR
31.	SOUTH-WEST	MUYUKA YOUNG FARMERS TRAINING CENTRE
32.		OBANG-MANYU RURAL TRAINING CENTRE
33.	WEST	BAFANG RURAL TRAINING CENTRE
34.		BAFOUSSAM RURAL TRAINING CENTRE
35.		BAKASSA RURAL TRAINING CENTRE

TABLE 189: Appendix 17: Distribution of public training schools under the training system of the Ministry of Agriculture and Rural Development by region

No.	REGION	SCHOOLS
36.	FAR-NORTH	MAROUA REGIONAL COLLEGE OF AGRICULTURE
37.		MAROUA TECHNICAL SCHOOL OF AGRICULTURE
38.	NORTH	GUIDER SCHOOL FOR THE TRAINING OF COMMUNITY DEVELOPMENT SPECIALISTS
39.	ADAMAWA	MAROUA TECHNICAL SCHOOL OF AGRICULTURE NR
40.	SOUTH	EBOLOWA SCHOOL FOR THE TRAINING OF COOPERATION SPECIALISTS
41.		MAROUA REGIONAL COLLEGE OF AGRICULTURE
42.		MAROUA TECHNICAL SCHOOL OF AGRICULTURE
43.		SANGMELIMA TECHNICAL SCHOOL OF AGRICULTURE
44.	EAST	ABONG MBANG AGRICULTURAL TECHNICAL SCHOOL
45.	LITTORAL	DIBOMBARI TECHNICAL SCHOOL OF AGRICULTURE
46.	NORTH-WEST	BAMBILI REGIONAL COLLEGE OF AGRICULTURE
47.		BAMBILI TECHNICAL SCHOOL OF AGRICULTURE
48.		SANTA SCHOOL FOR THE TRAINING OF COMMUNITY DEVELOPMENT SPECIALISTS
49.		BAMENDA SCHOOL FOR THE TRAINING OF COOPERATION SPECIALISTS
50.		NKAMBE TECHNICAL SCHOOL OF AGRICULTURE
51.	SOUTH-WEST	KUMBA SCHOOL FOR THE TRAINING OF COMMUNITY DEVELOPMENT SPECIALISTS
52.		KUMBA SCHOOL FOR THE TRAINING OF SPECIALISTS IN RURAL EQUIPMENT AND PLANNING
53.	WEST	BAFANG TECHNICAL SCHOOL OF AGRICULTURE

TABLE 190: Appendix 18: Distribution of private training institutions under the training system of the Ministry of Agriculture and Rural Development by region

No.	REGION	INSTITUTIONS
54.	NORTH	GAROUA HIGHER INSTITUTE YERIMA DEWA
55.	CENTRE	OBALA INTERNATIONAL CENTRE FOR ENGINEERING STUDIES
56.		OBALA HIGHER INSTITUTE OF AGRICULTURE AND MANAGEMENT
57.		SA'A HIGHER INSTITUTE OF AGRONOMIC SCIENCE, ENVIRONMENT AND RURAL ENTREPRENEURSHIP
58.		OMBESSA HIGHER INSTITUTE OF AGRICULTURAL TECHNIQUES
59.		YAOUNDE AGENLA ACADEMY BILINGUAL SUB-REGIONAL UNIVERSITY INSTITUTE

TABLE 191: Appendix 19: Number of learners trained by year in training schools under the training system of the Ministry of Agriculture and Rural Development

Name of school	FIELD OF STUDY	2014			2015			2016			2017			2018			2019			2020		
		F	M	TOTAL	F	M	TOTAL	F	M	TOTAL	F	M	TOTAL	F	M	TOTAL	F	M	TOTAL	F	M	TOTAL
BAMBILI REGIONAL COLLEGE OF AGRICULTURE	AT ⁱ							13	15	28	26	27	53	21	16	37	7	9	16	20	25	45
	SAT ⁱⁱ	56	100	156	53	99	152	88	91	179	99	65	164	68	52	120	37	54	91	52	60	112
EBOLOWA REGIONAL COLLEGE OF AGRICULTURE	AT													23	10	33	22	14	36	26	14	40
	SAT	32	15	47	45	22	67	62	42	104	35	19	54	55	32	87	59	33	92	62	29	91
MAROUA REGIONAL COLLEGE OF AGRICULTURE	AT										35		35	17	6	23	28	14	42	30	18	48
	SAT			0	28	7	35	34	4	38	13	6	19	32	10	42	39	19	58	39	17	56
EBOLOWA SCHOOL FOR THE TRAINING OF COOPERATION SPECIALISTS	AAT ⁱⁱⁱ																			6	26	32
	AT																			1	9	10
	SAT	16	22	38	22	28	50							29	32	61	32	25	57	24	25	49
GUIDER SCHOOL FOR THE TRAINING OF COOPERATION SPECIALISTS	AAT													14	31	45	14	31	45	27	68	95
	AT													4	16	20	4	16	20			0
	SAT	21	15	36	33	47	80	41	30	71	19	25	44	41	39	80	26	58	84	38	8	46
KUMBA SCHOOL FOR THE TRAINING OF COMMUNITY DEVELOPMENT SPECIALISTS	AT			0			0			0			0	19	12	31	15	9	24	14	9	23
	SAT	19	30	49	22	27	49	26	24	50	21	27	48	32	37	69	40	18	58	30	32	62
SANTA SCHOOL FOR THE TRAINING OF COMMUNITY	AAT																19	11	30	10	16	26
	SAT	25	24	49	21	27	48	21	19	40	28	20	48	10	15	25	22	21	43	21	24	45

Name of school	FIELD OF STUDY	2014			2015			2016			2017			2018			2019			2020			
		F	M	TOTAL	F	M	TOTAL	F	M	TOTAL	F	M	TOTAL	F	M	TOTAL	F	M	TOTAL	F	M	TOTAL	
DEVELOPMENT SPECIALISTS																							
KUMBA SCHOOL FOR THE TRAINING OF SPECIALISTS IN RURAL EQUIPMENT AND PLANNING	SRT ^{iv}	20	88	108	27	75	102	27	67	94	29	76	105	25	76	101	21	62	83	20	53	73	
ABONG MBANG AGRICULTURAL TECHNICAL SCHOOL	AAT																13	24	37	14	26	40	
	AT										9	11	20	5	13	18	15	27	42	13	27	40	
	SAT	14	25	39	15	36	51	8	20	28	25	48	73	18	45	63	17	31	48	20	30	50	
BAFANG MBANG AGRICULTURAL TECHNICAL SCHOOL	AAT																17	33	50	40	52	92	
	AT										14	29	43	32	46	78	42	40	82	42	40	82	
	SAT	29	52	81	30	59	89	30		60	60	72	132	74	86	160	64	70	134	61	69	130	
BAMBILI MBANG AGRICULTURAL TECHNICAL SCHOOL	SAT	22	13	35	30	19	49	26	17	43	26	17	43	39	36	75	29	31	60	21	36	57	
DIBOMBARI AGRICULTURAL TECHNICAL SCHOOL	AAT																12	20	32	15	18	33	
	AT										8	15	23	14	12	26	16	19	35	14	20	34	
	SAT	15	32	47	20	29	49	23	27	50	24	46	70	24	32	56	21	40	61	24	32	56	
	AAT																				22	42	64
EBOWA AGRICULTURAL TECHNICAL SCHOOL	SAT	5	22	27	12	35	47	15	30	45	13	23	36	27	33	60	29	36	65	26	37	63	
	AAT																				15	24	39

Name of school	FIELD OF STUDY	2014			2015			2016			2017			2018			2019			2020		
		F	M	TOTAL	F	M	TOTAL	F	M	TOTAL	F	M	TOTAL	F	M	TOTAL	F	M	TOTAL	F	M	TOTAL
GAROUA AGRICULTURAL TECHNICAL SCHOOL	SAT	8	22	30	8	29	37	10	17	27	11	21	32	7	35	42	20	34	54	10	26	36
	SRT													5	15	20	5	30	35	6	28	34
	AAT																				12	43	55
MAROUA AGRICULTURAL TECHNICAL SCHOOL	AT													7	26	33	6	33	39	13	34	47
	SAT	6	26	32	5	25	30	6	18	24	10	20	30	10	25	35	2	55	57	7	35	42
	AAT																10	3	13	10	3	13
NKAMBE AGRICULTURAL TECHNICAL SCHOOL	AT													7	4	11	7	4	11			0
	SAT	32	54	86	41	70	111	41	32	73	46	50	96	32	54	86	30	31	61	28	34	62
	AAT																13	12	25	23	30	53
SANGMELIMA AGRICULTURAL TECHNICAL SCHOOL	AT										5	8	13	9	14	23	10	18	28	14	34	48
	SAT	17	49	66	20	46	66	20	52	72	20	50	70	33	64	97	39	49	88	38	50	88
	BAMENDA NCC	39	51	90	20	29	49				25	12	37	45	21	66	45	18	63	39	20	59
IAO-ISAGO	AT																16	22	38	3	12	15
	SAT				20	32	52	25	48	73	13	47	60	31	44	75	23	54	77	16	22	38
HIGHER INSTITUTE OF AGRONOMIC SCIENCE, ENVIRONMENT AND RURAL ENTREPRENEURSHIP	RST													3	16	19	14	29	43	8	29	37

Name of school	FIELD OF STUDY	2014			2015			2016			2017			2018			2019			2020		
		F	M	TOTAL	F	M	TOTAL	F	M	TOTAL	F	M	TOTAL	F	M	TOTAL	F	M	TOTAL			
OMBESSA HIGHER INSTITUTE OF AGRICULTURAL TECHNIQUES OBALA INTERNATIONAL CENTRE FOR ENGINEERING STUDIES	SAT													5	9	14	18	36	54	18	36	54
	SRT													26	26	52	6	14	20	7	26	33
TOTAL		37	640	1,0	47	74	1,213	51	55	1,099	61	73	1,348	84	1,04	1,883	92	1,20	2,131	99	1,34	2,34
		6		16	2	1		6	3		4	4		3	0		4	7		9	8	7

TABLE 192: Appendix 20: Annual growth rate of national production volumes of priority sectors (in %)

Years	2017	2018	2019	2020
Rate (%)	7.08	7.49	4	8.67

Source: MINADER (Annual Performance Reports)

TABLE 193: Appendix 21: Percentage of the national population affected by food insecurity

	2017	2018	2019	2020
Percentage of the national population affected by food insecurity	6.03	5.7	3.64	4.82

Source: MINADER (Annual Performance Reports)

TABLE 194: Appendix 22: National rubber production volumes (tons)

	2016	2017	2018	2019	2020
Production volumes	40,983.0	41,911.0	45,354.0	35,517.0	34,802.0

Source: MINADER, RASPEFIN 2021

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EDITORIAL TEAM

GENERAL SUPERVISION

MBAIROBE Gabriel, Minister of Agriculture and Rural Development

ANANGA MESSINA Clémentine Antoinette, Minister Delegate to the Minister of Agriculture and Rural Development in charge of Rural Development

GENERAL COORDINATION

Pr. **MBONG Epse BAMBOT Grace Annih**, Secretary General of the Ministry of Agriculture and Rural Development

TECHNICAL SUPERVISION

MBAIRANODJI André, Director of Agriculture Surveys and Statistics (DESA)

TECHNICAL COORDINATION

BODO MVOGO Elie Emmanuel, Sub-Director of Statistical Surveys and Studies (SDEES)

TECHNICAL TEAM

ZOA Armand Michel, Head of Follow-up Unit, focal point, Secretariat General, MINADER;

NKEN OUM Christ Gilbert, Assistant Research Officer 5/CAPPA (focal point, DEPC/MINADER);

MVONDO Judith, Research Engineer No. 2 (SDEES/DESA);

NGO YOS Gift Yensa, Senior staff (SDEES/DESA);

NJABANOU AWANKWE Hyacinthe, Senior staff (SDEES/DESA);

EKWE FOE epse MEBOE Marie, Senior staff (CSSRA/DESA);

GUIBOLO Théophile, Senior staff (CSSRA/DESA);

ATANGANA Jean Bertrand, focal point, DGRCV/MINADER;

LONTCHI Charles, focal point, DOPA/MINADER;

SOP KOUASSEU Rodrigue Dimitri, focal point, DDLC/MINADER;

OYONO ZANG Bernard, focal point, DRH/MINADER;

AÏSATOU Rosette, focal point DDA/MINADER;

NZENTI William, focal point, DAJ/MINADER;

FONKENG Eltson, focal point, DEPC/MINADER;

ASSAKO ELOM, focal point, DGRCV/MINADER;

MOUGOUKOA DJAMO Blaise, focal point, DEFACC/MINADER;

TCHINJO Eric, focal point, DRCQ/MINADER;

MINTAMACK Emmanuel Blaise, Senior staff (RGAE).

NIS TECHNICAL SUPPORT

OKOUDA Barnabé, NIS

ABANDA Ambroise, NIS

KANA KENFACK Christophe, NIS

TCHAMAGO Olivier, NIS

MODOU Sanda, NIS

NGAH Adèle Zoriphie, NIS

BABOULOUL BA NDEBE Jean Roger, NIS

VALIDATION TEAM

MBAIROBE Gabriel, Minister of Agriculture and Rural Development

MBONG épouse BAMBOT GRACE ANNIH, Secretary General of the Minister of Agriculture and Rural Development

ONDOA MANGA Tobie, Inspector General of Agriculture Development

NKA CHARLES, Technical Adviser No. 1

MBAIRANODJI André, Director of Agriculture Surveys and Statistics (DESA)

FOUDAMA, Director of Agriculture Development (DDA)

NTAKEU BRUNO, Director of Studies, Programmes and Cooperation (DEPC)

MESSI ALAIN, Director of Vocational Agricultural Organisations and Support to Agriculture Holdings (DOPA)

ZE BILLE ELISE, Director of Human Resources (DRH)

BEDOUNG GISELE, Director of Rural Engineering and Enhancement of Living Environment in Rural Zone (DGRCV)

ENOW EDMOND NKOMGHO, Director of Legal Affairs (DAJ)

BODO Emmanuel, Sub-Department of Statistical Surveys and Studies (SDEES)/DESA

DJAOU DJAOUROU, Head of Communication Unit

ZOA Armand Michel, Head of Follow-up Unit

MAGNE Anne, Head of Data Processing Service/SDEES/DESA

WAFFO Jean Christophe, Head of Publications Service/SDEES/DESA

NKEN OUM, Assistant Research Officer No. 5 CAPP/DEPC,

KIMOUN TEMFEMO FATIMA, Assistant Research Officer No. 1/CIAR/DESA

KOUAMO Stéphane, Assistant Research Officer No. 1/ CSSRA/DESA

HERIS NANJE TOHNAIN, Assistant Research Officer No. 2/CELCOM

MVONDO Judith, Research Engineer No. 2/SP/SDEES

NDOGA SERGE, SAF/DRFP

PELITIQUE MEGUERE, Stores Accountant/DESA

NGO YOS Gift Yensa, Senior staff/DESA

EKWE FOE épouse MEBOE Marie, Senior staff/DESA

NYADJEU MBAKOP Brigitte Manuella, Senior staff/DESA

ASSOMO Madeleine Vanessa, Senior staff/DESA

NJABANOU AWANKWE Hyacinthe, Senior staff/DESA

KOUAYIM SEUGUE Alaric Thierry, Senior staff/DESA

LONTCHI Charles, focal point, DOPA/MINADER

SOP KOUASSEU Rodrigue Dimitri, focal point, DDLC/MINADER

OYONO ZANG Bernard, focal point, DRH/MINADER

AÏSATOU Rosette, focal point, DDA/MINADER

FONKENG Eltson, focal point, DEPC/MINADER

ASSAKO ELOM, focal point, DGRCV/MINADER

MOUGOUKOA DJAMO Blaise, focal point, DEFACC/MINADER

TCHINJO Eric, focal point, DRCQ/MINADER

MINTAMACK Emmanuel Blaise, Senior staff/RGAE

AZOULINE MICHEL, Senior staff/CT2

MOUMICHE MBOUEMBOUE ANGE NATHANAEL, Director of Regulation, Control of Quality of Agricultural Inputs and Products (DRCQ)

MINISTRY OF AGRICULTURE AND RURAL DEVELOPMENT

Website: www.minader.cm

Telephone: (237) 222 217 795 / (237) 222 230 440

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